Index to Volume 29

*Author index**

A

Abbott WM. Presidential address: legend, leadership, legacy. 1999;29:1-7
Abbott WM (*see* Cambria et al). 1999;29:1012-21
Abdool-Carrim ATO. (*see* Nair et al). 1999;29:600-7
Abel DB (*see* Pritchard et al). 1999;29:566-74
Absood A (*see* Minion et al). 1999;29:845-51
Adelman MA (*see* Rockman et al). 1999;29:72-81
Ahlgren AR (*see* Sandgren et al). 1999;29:503-10
Ahn SS (*see* White et al). 1999;29:177-86
Albers M (*see* Presti et al). 1999;29:413-21
Algra A (*see* Tangelder et al). 1999;29:913-9
Al-Hamali S, Baskerville P, Fraser S, Walters H, Markus HS. Detection of distal emboli in patients with peripheral arterial stenosis before and after iliac angioplasty: a prospective study. 1999;29:345-51
Al-Kutoubi A (*see* Ramaswami et al). 1999;29:110-21
Allaire E (*see* Becquemin et al). 1999;29:422-9
Allenberg JR (*see* Eckstein et al). 1999;29:459-71
Amato A (*see* Cipolla et al). 1999;29:1097-103
Anderson KM (*see* Blebea et al). 1999;29:799-806
Archie JP. Carotid endarterectomy outcome with vein or Dacron graft patch angioplasty and internal carotid artery shortening. 1999;29:654-64
Ascher E (*see* Scheinman et al). 1999;29:360-9
Atnip RG (*see* Blebea et al). 1999;29:799-806
Avino AJ, Bandyk DF, Gonsalves AJ, Johnson BL, Black TJ, Zweibel BR, Rahaim MJ, Cantor A. Surgical and endovascular intervention for infrainguinal vein graft stenosis. 1999;29:60-71
Azuma N, Sasajima T, Kubo Y. Immunosuppression with FK506 in rat arterial allografts: fate of allogeneic endothelial cells. 1999;29:694-702

B

Bacha E (*see* Fadel et al). 1999;29:581-8
Baker WH. The vascular fellowship: a critical review. 1999;29:201-7
Baker WH (*see* Fox et al). 1999;29:734-6 (Case rep.)
Baker WH (*see* Mansour et al). 1999;29:217-27
Baker WH (*see* Mansour et al). 1999;29:833-7
Ballard JL. Regarding "Aortoiliac stent deployment versus surgical reconstruction: analysis of outcome and cost." 1999;29:388-9 (Letter reply)
Ballermann BJ (*see* Dardik et al). 1999;29:157-67
Bandyk DF (*see* Avino et al). 1999;29:60-71
Barbera L (*see* Geier et al). 1999;29:730-3 (Case rep.)
Bargmann KM (*see* Wells et al). 1999;29:282-91
Bartoli S (*see* Mingoli et al). 1999;29:894-901
Baskerville P (*see* Al-Hamali et al). 1999;29:345-51
Bastit D (*see* Litzler et al). 1999;29:1090-6
Baunoch D (*see* Schwartz et al). 1999;29:874-83
Bazari H (*see* Cambria et al). 1999;29:1012-21
Becquemin JP, Allaire E, Qvarfordt P, Desgranges P, Kobeiter H, Melliére D. Surgical transluminal iliac angioplasty with selective stenting: long-term results assessed by means of duplex scanning. 1999;29:422-9
Beebe HG, Salles-Cunha SX, Scissons RP, Doscik SM, Whalen RC, Gale SS, Pigott JP, Sciwert AJ. Carotid arterial ultrasound scan imaging: a direct approach to stenosis measurement.1999;29:838-44
Belardi P (Lucertini et al). 1999;29:941-2 (Letter)
Belcaro G (*see* Ramaswami et al). 1999;29:110-21
Belkin M (*see* Upchurch et al). 1999;29:1022-30
Bell PRF (*see* Loftus et al). 1999;29:403-8
Bender A (*see* Rücker et al). 1999;29:561-5 (Case rep.)
Bendick PJ (*see* Hirsch et al). 1999;29:939-40
Bengtson TD (*see* Clagett et al). 1999;29:22-31
Benjamin ME (*see* Cohn et al). 1999;29:665-71
Beredejo GL (*see* Wain et al). 1999;29:100-9
Bergan JJ (*see* Gloviczki et al). 1999;29:489-502
Bergqvist D, Lindholm C, Nelzén O. Chronic leg ulcers: the impact of venous disease. 1999;29:752-5
Berguer R, Morasch MD, Kline RA, Kazmers A, Friedland MS. Cervical reconstruction of the supra-aortic trunks: a 16-year experience. 1999;29:239-48
Bertucci WR, Marin ML, Veith FJ, Ohki T. Posterior approach to the deep femoral artery. 1999;29:741-4 (Tech. notes)
Beven EG (*see* Mateo et al). 1999;29:821-32
Bhirangi K (*see* Stahl et al). 1999;29:715-8 (Case rep.)
Bigatel DA, Elmore JR, Carey DJ, Cizmeci-Smith G, Franklin DP, Youkey JR. The matrix metalloproteinase inhibitor BB-94 limits expansion of experimental abdominal aortic aneurysms. 1999;29:130-9
Birkmeyer JD (*see* Finlayson et al). 1999;29:973-85
Black TJ (*see* Avino et al). 1999;29:60-71
Blätter IK (*see* Blätter and Blätter).1999;29:484-8
Blätter W, Blätter IK. Relief of obstructive pelvic venous symptoms with endoluminal stenting. 1999;29:484-8
Blebea J, Kihara TK, Neumyer MM, Blebea JS, Anderson KM, Atnip RG. A national survey of practice patterns in the noninvasive diagnosis of deep venous thrombosis. 1999;29:799-806
Blebea JS (*see* Blebea et al). 1999;29:799-806
Blumofe KA (*see* Mansour et al). 1999;29:217-27
Blute ML (*see* Seelig et al). 1999;29:377-81 (Case rep.)
Bodner LJ (*see* Nosher et al). 1999;29:745-7 (Tech. notes)
Bowen JC (*see* Sternbergh et al). 1999;29:672-7
Bowyer B (*see* Norris et al). 1999;29:386-7 (Letter)
Bradbury AW (*see* Stuart and Bradbury). 1999;29:941-2 (Reply)
Brekke M (*see* Krohg-Sørensen et al). 1999;29:1152-8 (Case rep.)
Brewster DC (*see* Cambria et al). 1999;29:1012-21
Brophy CM, Lamb S, Graham A. The small heat shock-related protein-20 is an actin-associated protein. 1999;29:326-33
Brophy CM (*see* Jerius et al). 1999;29:678-84
Brothers TE, Robison JG, Elliott BM. Diabetes mellitus is the major risk factor for African Americans who undergo peripheral bypass graft operation. 1999;29:352-9
Bukhari RH, Lohr JM, Paget DS, Hearn AT, Cranley RD. Evaluation of lidocaine as an analgesic when added to hypertonic saline for sclerotherapy. (Bukhari et al). 1999;29:479-83
Burgess WH (*see* Shireman et al). 1999;29:852-62
Burnham SJ (*see* Passman et al). 1999;29:249-58
Bush HL (*see* Girardi and Bush). 1999;29:936-8 (Case rep.)
Bush HL (*see* Patel et al). 1999;29:958-72

*January, pp. 1-200; February, pp. 201-394; March, pp. 395-580; April, pp. 581-762; May, pp. 763-948; June, pp. 949-1200.

Buskens E (*see* Tangelder et al). 1999;29:913-9
Byrne J, Darling C, Chang BB, Paty PSK, Kreienberg PB, Lloyd WE, Leather RP, Shah DM. Infrainguinal arterial reconstruction for claudication: is it worth the risk? An analysis of 409 procedures. 1999;29:259-69

C

Cable S (*see* Jerius et al). 1999;29:678-84
Calatiges MG, Liem TK, Spadone D, Nichols K, Silver D. The role of heparin-associated antiplatelet antibodies in the outcome of arterial reconstruction. 1999;29:779-86
Caldwell M (*see* Holtzman et al). 1999;29:395-402
Cambria RA (*see* Mays et al). 1999;29:807-13
Cambria RP, Kaufman JL, Brewster DC, Gertler JP, LaMuraglia GM, Bazari H, Abbott WM. Surgical renal artery reconstruction without contrast arteriography: the role of clinical profiling and magnetic resonance angiography. 1999;29:1012-21
Campbell DR (*see* Hamdan et al). 1999;29:1006-11
Campbell MP (*see* Engle et al). 1999;29:150-6
Canton LG (*see* Gloviczki et al). 1999;29:489-502
Cantor A (*see* Avino et al). 1999;29:60-71
Cao P, Zannetti S, Giordano G, De Rango P, Parlani G, Capto N. Cerebral tomographic findings in patients undergoing carotid endarterectomy for asymptomatic carotid stenosis: short-term and long-term implications. 1999;29:995-1005
Caps M (*see* Vaezy et al). 1999;29:533-42
Capto N (see Cao et al). 1999;29:995-1005
Carey DJ (*see* Bigatel et al). 1999;29:130-9
Carson MW (*see* Schlag et al). 1999;29:511-21
Carter S (*see* Vaezy et al). 1999;29:533-42
Cassina PC, Hailemariam S, Schmid R. Hauser M. Regarding "Infrainguinal aneurysm formation in arterialized autologous saphenous vein grafts." 1999;29:756-7 (Letter reply)
Ceraldi C (*see* Skinner and Ceraldi).1999;29:727-9 (Case rep.)
Cerrina J (*see* Fadel et al). 1999;29:581-8
Chang BB (*see* Byrne et al). 1999;29:259-69
Chang PC (*see* van Rooden at al). 1999;29:1037-49
Chapelier A (*see* Fadel et al). 1999;29:581-8
Chaufour X (*see* May et al). 1999;29:32-9
Chen JC (*see* Winkelaar et al). 1999;29:986-94
Chen JJ (*see* Moore et al). 1999;29:522-32
Chetty R (*see* Nair et al). 1999;29:600-7
Chmura C (*see* Mansour et al). 1999;29:217-27
Cipolla MJ, Nicoloff A, Rebello T, Amato A. Propionyl-L-carnitine dilates human subcutaneous arteries through an endothelium-dependent mechanism. 1999;29:1097-103
Cisek PL (*see* Malone et al). 1999;29:593-9
Cizmeci-Smith G (*see* Bigatel et al). 1999;29:130-9
Clagett GP, Valentine RJ, Jackson MR, Mathison C, Kakish HB, Bengtson TD. A randomized trial of intraoperative autotransfusion during aortic surgery. 1999;29:22-31
Clagett GP (*see* Wells et al). 1999;29:282-91
Clarke K (*see* Kalman et al). 1999;29:442-50
Clarke S (*see* Schlag et al). 1999;29:511-21
Cohen JR (*see* Levison et al). 1999;29:40-7
Cohn EJ, Sandager GP, Benjamin ME, Lilly MP, Hanna DJ, Flinn WR. Assessment of ocular perfusion after carotid endarterectomy with color-flow duplex scanning. 1999;29:665-71
Comerota AJ (*see* Malone et al). 1999;29:593-9
Conte MS (*see* Upchurch et al). 1999;29:1022-30
Covino BG (*see* Gelman et al). 1999;29:757-8 (Letter)
Cranley RD (*see* Bukhari et al). 1999;29:479-83
Craven TE (*see* Oskin et al). 1999;29:140-9
Criado E (*see* Passman et al). 1999;29:249-58
Cronenwett JL. The New England society for vascular surgery: 25 years and counting. 1999;29:949-57
Cronewelt JL (*see* Finlayson et al). 1999;29:973-85
Cronewett JL, Johnston W. The United Kingdom Small Aneurysm Trial: implications for surgical treatment of abdominal aortic aneurysms. 1999;29:191-4
Curci JA, Thompson RW. "Variable induction of experimental abdominal aortic aneurysms with different preparations of porcine pancreatic elastase." 1999;29:385 (Letter)
Curci JA (*see* Moore et al). 1999;29:522-32
Curi MA, Pappas PJ, Silva MB, Patel S, Padberg FT, Jamil Z, Durán WN, Hobson RW. Hemodialysis access: influence of the human immunodeficiency virus on patency and infection rates. 1999;29:608-16

D

Danielou E (*see* Litzler et al). 1999;29:1090-6
Dardik A, Liu A, Ballermann BJ. Chronic in vitro shear stress stimulates endothelial cell retention on prosthetic vascular grafts and reduces subsequent in vivo neointimal thickness. 1999;29:157-67
Dardik H. Regarding "Infrainguinal aneurysm formation in arterialized autologous saphenous vein grafts." 1999;29:756-7 (Letter)
Darling C (*see* Byrne et al). 1999;29:259-69
Dartevelle P (*see* Fadel et al). 1999;29:581-8
da Silva EX, Rodrigues J, de Tolosa EMC, Pereira PRB, Zanoto A, Martins J. Variation of infrarenal aortic diameter: a necropsy study. 1999;29:920-7
Davies B (*see* Dwerryhouse et al). 1999;29:589-92
Davies MG (*see* Huynh et al). 1999;29:334-44
Davies MJ (*see* Ramaswami et al). 1999;29:110-21
Dean RH (*see* Oskin et al). 1999;29:140-9
De Backer GG (*see* van Rooden at al). 1999;29:1037-49
de Haan P (*see* Jacobs et al). 1999;29:48-59
Deitch JS (*see* Oskin et al). 1999;29:140-9
Delvalle WN (*see* Wain et al). 1999;29:100-9
de Mol BA (*see* Jacobs et al). 1999;29:48-59
De Rango P (*see* Cao et al). 1999;29:995-1005
Desgranges P (*see* Becquemin et al). 1999;29:422-9
de Tolosa EMC (*see* de Silva et al). 1999;29:920-7
Dhanjil S (*see* Ramaswami et al). 1999;29:110-21
Dichek DA (*see* Schneider et al). 1999;29:543-50
Dickinson CJ (*see* Sarkar et al). 1999;29:685-93
Diel J (*see* Torres et al). 1999;29:719-21 (Case rep.)
Diethrich EB (*see* Rodriguez-Lopez et al). 1999;29:617-24
Diethrich EB (*see* Zarins et al). 1999;29:292-308
di Marzo L (*see* Mingoli et al). 1999;29:894-901
Donaldson MC (*see* Upchurch et al). 1999;29:1022-30
Doolittle J (*see* Raju et al). 1999;29:1050-64
Dörfler A (*see* Eckstein et al). 1999;29.459-71
Doscki SM (*see* Beebe et al). 1999;29:838-44
DPhil AL (*see* Loftus et al). 1999;29:403-8
Driscoll RM (*see* Schneider et al). 1999;29:543-50
Drolsum A (*see* Krohg-Sørensen et al). 1999;29:1152-8 (Case rep.)
Ducharme SE, Herring D, Tripp HF. Unilateral iliac vein occlusion, caused by bladder enlargement, stimulating deep venous thrombosis. 1999;29:724-6 (Case rep.)
Dudek NL (*see* MacLean et al). 1999;29:703-10
Dumanian GA (*see* McCarthy et al). 1999;29:814-20
Duncan M (*see* El-Sabrout and Duncan).1999;29:472-8
Durán WN (*see* Curi et al). 1999;29:608-16

Dwerryhouse S, Davies B, Harradine K, Earnshaw JJ. Stripping the long saphenous vein reduces the rate of reoperation for recurrent varicose veins: five-year results of a randomized trial. 1999;29:589-92

E

Earnshaw JJ (*see* Dwerryhouse et al). 1999;29:589-92
Eckstein HH, Schumacher H, Dörfler A, Forsting M, Jansen O, Ringleb P, Allenberg JR. Carotid endarterectomy and intracranial thrombolysis: simultaneous and staged procedures in ischemic stroke. (Eckstein et al). 1999;29:459-71
Edwards JM (*see* Landry et al). 1999;29:270-81
Eid IG (*see* Malone et al). 1999;29:593-9
Eikelboom BC (*see* Tangelder et al). 1999;29:913-9
Elliott BM (*see* Brothers et al). 1999;29:352-9
Elmarasy NM (*see* Walker et al). 1999;29:625-30
Elmore JR (*see* Bigatel et al). 1999;29:130-9
El-Sabrout R, Duncan M. Right atrial bypass grafting for central venous obstruction associated with dialysis access: another treatment option. (El-Sabrout and Duncan). 1999;29:472-8
Engle J, Safi HJ, Miller CC, Campbell MP, Harlin SA, Letsou GV, Lloyd KS, Root DB. The impact of diaphragm management on prolonged ventilator support after thoracoabdominal aortic repair. 1999;29:150-6
Eton D, Terramani TT, Wang Y, Takahashi AM, Nigro JJ, Tang L, Yu H. Genetic engineering of stent grafts with a highly efficient pseudotyped retroviral vector. 1999;29:863-73

F

Fadel E, Chapelier A, Bacha E, Leroy-Ladurie F, Cerrina J, Macchiarini P, Dartevelle P. Subclavian artery resection and reconstruction for thoracic inlet cancers. 1999;29:581-8
Faftery KB (*see* Kohn et al). 1999;29:649-53
Farber MA (*see* Passman et al). 1999;29:249-58
Faust GR (*see* Levison et al). 1999;29:40-7
Feinglass J (*see* Pearce et al). 1999;29:768-78
Feldhaus RJ (*see* Mingoli et al). 1999;29:894-901
Fillinger MF (*see* Finlayson et al). 1999;29:973-85
Fine NA (*see* McCarthy et al). 1999;29:814-20
Finlayson SRG, Birkmeyer JD, Fillinger MF, Cronewett JL. Should endovascular surgery lower the threshold for repair of abdominal aortic aneurysms? 1999;29:973-85
Fisher SG (*see* Mansour et al). 1999;29:217-27
Fisher WS (*see* Jordan et al). 1999;29:387 (Letter reply)
Fisher WS (see Jordan et al). 1999;29:758 (Letter reply)
Fitzpatrick CM (*see* Mays et al). 1999;29:807-13
Flinn WR (*see* Cohn et al). 1999;29:665-71
Flores RM (*see* Rabkin et al). 1999;29:737-40 (Case rep.)
Fogarty TJ (*see* Zarins et al). 1999;29:292-308
Forsting M (*see* Eckstein et al). 1999;29:459-71
Fox D, Herron BE, Yonover PM, Baker WH. Mastication steal: an unusual precipitant of cerebrovascular insufficiency. 1999; 29:734-6 (Case rep.)
Fox PL (*see* Minion et al). 1999;29:845-51
Franklin DP (*see* Bigatel et al). 1999;29:130-9
Fraser S (*see* Al-Hamali et al). 1999;29:345-51
Frebourg N (*see* Litzler et al). 1999;29:1090-6
Friedland MS (*see* Berguer et al). 1999;29:239-48
Fujiwara K (*see* Konia et al). 1999;29:1162-3 (Case rep.)

G

Gahtan V, Wang WJ, Ikeda M, Willis AI, Tuszynski GP, Sumpio BE. Thrombospondin-1 induces activation of focal adhesion kinase in vascular smooth muscle cells. 1999;29:1031-6
Gaines GC, Welborn B, Moldawer LL, Huber TS, Harward TRS, Seeger JM. Attenuation of skeletal muscle ischemia/reperfusion injury by inhibition of tumor necrosis factor. 1999; 29:370-6
Gale SS (*see* Beebe et al). 1999;29:838-44
Garrard CI (*see* Sternbergh et al). 1999;29:672-7
Geier B, Barbera L, Kemen M, Mumme A. Video-assisted crossover iliofemoral obturator bypass grafting: a minimally invasive approach to extra-anatomic lower limb revascularization. 1999;29:730-3 (Case rep.)
Gelman S, Vandam LD, Covino BG. Regarding "A comparison of carotid angioplasty with stenting versus endarterectomy with regional anesthesia." 1999;29:757-8 (Letter)
Gerhard-Herman MD (*see* Upchurch et al). 1999;29:1022-30
Gertler JP (*see* Cambria et al). 1999;29:1012-21
Giangola G (*see* Rockman et al). 1999;29:72-81
Gibbons GW (*see* Hamdan et al). 1999;29:1006-11
Giordano G (*see* Cao et al). 1999;29:995-1005
Girardi LN, Bush HL. Type B aortic dissection and thoracoabdominal aneurysm formation after endoluminal stent repair of abdominal aortic aneurysm. 1999;29:936-8 (Case rep.)
Gloviczki P, Bergan JJ, Rhodes JM, Canton LG, Harmsen S, Ilstrup D. Mid-term results of endoscopic perforator vein interruption for chronic venous insufficiency: lessons learned from the North American Subfascial Endoscopic Perforator Surgery registry. 1999;29:489-502
Goldberg SP (*see* Whitley et al). 1999;29:748-51
Goldman B (*see* Vaezy et al). 1999;29:533-42
Goldstein DJ (*see* Rabkin et al). 1999;29:737-40 (Case rep.)
Goldstein JE (*see* Hobson et al). 1999;29:228-38
Gonsalves AJ (*see* Avino et al). 1999;29:60-71
Gonze MD (*see* Sternbergh et al). 1999;29:672-7
Goodman GR (*see* Minion et al). 1999;29:845-51
Graham A (*see* Brophy et al). 1999;29:326-33
Graham LM (*see* Minion et al). 1999;29:845-51
Greenberg RK (*see* Ouriel et al). 1999;29:82-9
Green RM (*see* Ouriel et al). 1999;29:82-9
Gregson RHS (*see* Walker et al). 1999;29:625-30
Griesler HP (*see* Mansour et al). 1999;29:217-27
Griesler HP (*see* Mansour et al). 1999;29:833-7
Griesler HP (*see* Shireman et al). 1999;29:852-62
Griffin M (*see* Ramaswami et al). 1999;29:110-21
Gussenhove EJ (*see* van Lankeren et al). 1999;29:430-41
Gussenhoven EJ (*see* van Essen et al). 1999;29:631-8
Gwertzman GA (*see* Hobson et al). 1999;29:228-38

H

Haenen JH, Janssen MCH, van Langen H, van Asten WNJC, Wollersheim H, Van 't MA, Skotnicki SH, Thien T. The post-thrombotic syndrome in relation to venous hemodynamics, as measured by means of duplex scanning and strain-gauge plethysmography. 1999;29:1071-6
Hagen PO (*see* Huynh et al). 1999;29:334-44
Hagino RT (*see* Wells et al). 1999;29:282-91
Hailemariam S (*see* Cassina et al). 1999;29:756-7 (Letter reply)
Halpern VJ (*see* Levison et al). 1999;29:40-7
Hamdan AD, Pomposelli FB, Gibbons GW, Campbell DR, LoGerfo FW. Renal insufficiency and altered postoperative risk in carotid endarterectomy. 1999;29:1006-11
Hamdan AD (*see* Rzucidlo et al). 1999;29:317-25
Hamilton IN (*see* Thomas et al). 1999;29:1159-61 (Case rep.)
Hampton B (*see* Shireman et al). 1999;29:852-62
Hands L (*see* Liberting and Hands). 1999;29:1065-70
Hanna AK (*see* Hobson et al). 1999;29:228-38

Hanna DJ (*see* Cohn et al). 1999;29:665-71
Hansen KJ (*see* Oskin et al). 1999;29:140-9
Harlin SA (*see* Engle et al). 1999;29:150-6
Harmsen S (*see* Gloviczki et al). 1999;29:489-502
Harradine K (*see* Dwerryhouse et al). 1999;29:589-92
Harris JP (*see* May et al). 1999;29:32-9
Harris KA (*see* Schlag et al). 1999;29:511-21
Harward TRS (*see* Gaines et al). 1999;29:370-6
Haser PB (*see* Patel et al). 1999;29:958-72
Hata M, Tanaka Y, Iguti A, Saito H, Ishibashi T, Tabayashi K. Endovascular repair of a descending thoracic aortic aneurysm: a tip for systemic pressure reduction. 1999;29:551-3
Hauser M (*see* Cassina et al). 1999;29:756-7 (Letter reply)
Hayashi S (*see* Matsumoto et al). 1999;29:711-4 (Case rep.)
Hearn AT (*see* Bukhari et al). 1999;29:479-83
Heikkinen L, Valtonen M, Lepäntalo M, Saimanen E, Järvinen A. Infrarenal endoluminal bifurcated stent graft infected with *Listeria monocytogenes*. 1999;29:554-6 (Case rep.)
Heilizer TJ (*see* Mansour et al). 1999;29:217-27
Hendricks RT (*see* Moore et al). 1999;29:522-32
Henretta JP, Hodgson KJ, Matos MA, Karch LA, Hurlbert SN, Sternbach Y, Ramsey DE, Sumner DS. Feasibility of endovascular repair of abdominal aortic aneurysms with local anesthesia with intravenous sedation. 1999;29:793-8
Hermans J (*see* van Rooden at al). 1999;29:1037-49
Hermanutz V (*see* Jeschke et al). 1999;29:168-76
Herring D (*see* Ducharme et al). 1999;29:724-6 (Case rep.)
Herron BE (*see* Fox et al). 1999;29:734-6 (Case rep.)
Hertzer NR (*see* Mateo et al). 1999;29:821-32
Hines GI (*see* Torres et al). 1999;29:719-21 (Case rep.)
Hingorani A (*see* Scheinman et al). 1999;29:360-9
Hirsch AT, Zierler E, Bendick PJ. Commentary re: "A national survey of practice patterns in the noninvasive diagnosis of deep venous thrombosis." 1999;29:939-40
Hobson RW, Goldstein JE, Jamil Z, Lee BC, Padberg FT, Hanna AK, Gwertzman GA, Pappas PJ, Silva MB. Carotid restenosis: operative and endovascular management. 1999;29:228-38
Hobson RW (*see* Curi et al). 1999;29:608-16
Hobson RW (*see* White et al). 1999;29:177-86
Hodgson KJ (*see* Henretta et al). 1999;29:793-8
Hodgson KJ (*see* Zarins et al). 1999;29:292-308
Hodgson KM (*see* White et al). 1999;29:177-86
Holland B (*see* Malone et al). 1999;29:593-9
Holtzman J, Caldwell M, Walvatne C, Kane R. Long-term functional status and quality of life after lower extremity revascularization.1999;29:395-402
Honkoop J (*see* van Lankeren et al). 1999;29:430-41
Hon M (*see* Torres et al). 1999;29:719-21 (Case rep.)
Hopkinson BR (*see* Walker et al). 1999;29:625-30
Hsiang YN (*see* Winkelaar et al). 1999;29:986-94
Huber TS (*see* Gaines et al). 1999;29:370-6
Hughes TJR (*see* Taylor et al). 1999;29:1077-89
Huijsman PC (*see* van Essen et al). 1999;29:631-8
Hurlbert SN (*see* Henretta et al). 1999;29:793-8
Huynh TTT, Davies MG, Trovato MJ, Svendsen E, Hagen PO. Alterations in wall tension and shear stress modulate tyrosine kinase signaling and wall remodeling in experimental vein grafts. 1999;29:334-44.

I

Iguti A (*see* Hata et al). 1999;29:551-3
Ikeda M (*see* Gahtan et al). 1999;29:1031-6
Illig KA (*see* Ouriel et al). 1999;29:82-9
Ilstrup D (*see* Gloviczki et al). 1999;29:489-502
Ishibashi T (*see* Hata et al). 1999;29:551-3
Ito M (*see* Kobayashi et al). 1999;29:451-8

J

Jackson MR (*see* Clagett et al). 1999;29:22-31
Jackson MR (*see* Wells et al). 1999;29:282-91
Jacobowitz GR, Lee AM, Riles TS. Immediate and late explanation of endovascular aortic grafts: the Endovascular Technologies experience. 1999;29:309-16
Jacobowitz R (*see* Rockman et al). 1999;29:72-81
Jacobs MJHM, Meylaerts SA, de Haan P, de Mol BA, Kalkman CJ. Strategies to prevent neurologic deficit based on motor-evoked potentials in type I and II thoracoabdominal aortic aneurysm repair. 1999;29:48-59
Jacques B (*see* Litzler et al). 1999;29:1090-6
Jamil Z (*see* Curi et al). 1999;29:608-16
Jamil Z (*see* Hobson et al). 1999;29:228-38
Jansen O (*see* Eckstein et al). 1999;29:459-71
Janssen MCH (*see* Haenen et al). 1999;29:1071-6
Jarrett F (*see* Muluk et al). 1999;29:208-16
Järvinen A. (*see* Heikkinen et al). 1999;29:554-6 (Case rep.)
Jean-Claude JM, Reilly LM, Stoney RJ, Messina LM. Pararenal aortic aneurysms: the future of open aortic aneurysm repair. 1999;29:902-12
Jerius H, Karolyi DR, Mondy S, Beall A, Wootton D, Ku D, Cable S, Brophy CM. Endothelial-dependent vasodilation is associated with increases in the phosphorylation of a small heat shock protein (HSP20). 1999;29:678-84
Jeschke MG, Hermanutz V, Wolf SE, Koveker GB. Polyurethane vascular prostheses decreases neointimal formation compared with expanded polytetrafluorethylene. 1999;29:168-76
Jewell ER (*see* Kohn et al). 1999;29:649-53
Johnson BL (*see* Avino et al). 1999;29:60-71
Johnston W (*see* Cronewett and Johnston).1999;29:191-4
Johnston W (*see* Kalman et al). 1999;29:442-50
Jordan WD, Voellinger DC, Fisher WS, McDowell HA. Regarding "A comparison of carotid angioplasty with stenting versus endarterectomy with regional anesthesia." 1999;29:387 (Letter reply)
Jordan WD, Voellinger DC, Fisher WS, McDowell HA. Regarding "A comparison of carotid angioplasty with stenting versus endarterectomy with regional anesthesia." 1999;29:758 (Letter reply)
Jordan WD (*see* Whitley et al). 1999;29:748-51

K

Kaczkowski P (*see* Vaezy et al). 1999;29:533-42
Kakish HB (*see* Clagett et al). 1999;29:22-31
Kakish HB (*see* Wells et al). 1999;29:282-91
Kalkman CJ (*see* Jacobs et al). 1999;29:48-59
Kalman PG, Rappaport DC, Merchant N, Clarke K, Johnston W. The value of late computed tomographic scanning in identification of vascular abnormalities after abdominal aortic aneurysm repair. 1999;29:442-50
Kane R (*see* Holtzman et al). 1999;29:395-402
Kang SS (*see* Mansour et al). 1999;29:217-27
Kang SS (*see* Mansour et al). 1999;29:833-7
Karanian JW (*see* Pritchard et al). 1999;29:566-74
Karch LA (*see* Henretta et al). 1999;29:793-8
Karolyi DR (*see* Jerius et al). 1999;29:678-84
Kashyap VS, Moore WS, Quinones-Baldrich WJ. Carotid artery repair for radiation-associated atherosclerosis is a safe and durable procedure. 1999;29:90-9
Kaufman JL (*see* Cambria et al). 1999;29:1012-21
Kawaguchi S (*see* Miyata et al). 1999;29:557-60 (Case rep.)

Kazama S (*see* Miyata et al). 1999;29:557-60 (Case rep.)
Kazmers A (*see* Berguer et al). 1999;29:239-48
Keagy BA (*see* Passman et al). 1999;29:249-58
Keilman G (*see* Vaezy et al). 1999;29:533-42
Kemem M (*see* Geier et al). 1999;29:730-3 (Case rep.)
Kent KC (*see* Patel et al). 1999;29:958-72
Keppenne V (*see* Lavigne et al). 1999;29:722-3 (Case rep.)
Kihara TK (*see* Blebea et al). 1999;29:799-806
Kinney E (*see* Zarins et al). 1999;29:292-308
Kitajima M S (*see* Matsumoto et al). 1999;29:711-4 (Case rep.)
Kline RA (*see* Berguer et al). 1999;29:239-48
Kline RG (*see* Levison et al). 1999;29:40-7
Klingler PJ (*see* Seelig et al). 1999;29:377-81 (Case rep.)
Kobayashi M, Ito M, Nakagawa A, Nishikimi N. Immunohistochemical analysis of arterial wall cellular infiltration in Buerger's disease (endarteritis obliterans).1999;29:451-8
Kobeiter H (*see* Becquemin et al). 1999;29:422-9
Kohn JS, Faftery KB, Jewell ER. Familial carotid body tumors: a closer look. 1999;29:649-53
Komai H, Naito Y, Fujiwara K. Superior mesenteric artery syndrome as a result of enlarged abdominal aortic aneurysm. 1999;29:1162-3 (Case rep.)
Komori K (*see* Yonemitsu et al). 1999;29:389-90 (Letter)
Konishi T (*see* Miyata et al). 1999;29:557-60 (Case rep.)
Koveker GB (*see* Jeschke et al). 1999;29:168-76
Krajewski LP (*see* Mateo et al). 1999;29:821-32
Kranendonk SE (*see* van Lankeren et al). 1999;29:430-41
Kreienberg PB (*see* Byrne et al). 1999;29:259-69
Krohg-Sørensen, Brekke M, Drolsum A, Kvernebo K. Periprosthetic leak and rupture after endovascular repair of abdominal aortic aneurysm: the significance of device design for long-term results. 1999;29:1152-8 (Case rep.)
Kubo Y (*see* Azuma et al). 1999;29:694-702
Ku D (*see* Jerius et al). 1999;29:678-84
Kvernebo K (*see* Krohg-Sørensen et al). 1999;29:1152-8 (Case rep.)

L

Labropoulos N (*see* Mansour et al). 1999;29:217-27
Labropoulos N (*see* Mansour et al). 1999;29:833-7
Lamb S (*see* Brophy et al). 1999;29:326-33
Lamparello PJ (*see* Rockman et al). 1999;29:72-81
LaMuraglia GM (*see* Cambria et al). 1999;29:1012-21
Landis R (*see* Rockman et al). 1999;29:72-81
Landry GJ, Moneta GL, Taylor LM, McLafferty RB, Edwards JM, Yeager RA, Porter JM. Duplex scanning alone is not sufficient imaging before secondary procedures after lower extremity reversed vein bypass graft. 1999;29:270-81
Länne T (*see* Sandgren et al). 1999;29:503-10
Lavigne JP, Keppenne V, Limet R. Late rupture of a saphenous vein aortorenal graft. 1999;29:722-3 (Case rep.)
Lawrence PF (*see* Stahl et al). 1999;29:715-8 (Case rep.)
Lawson JA (*see* Tangelder et al). 1999;29:913-9
Leather RP (*see* Byrne et al). 1999;29:259-69
Lee AM (*see* Jacobowitz et al). 1999;29:309-16
Lee BC (*see* Hobson et al). 1999;29:228-38
Leeds FH. Regarding "Early history of aortic surgery." 1999;29:575 (Letter)
Legemate DA. Regarding "Overestimation of a stenosis in the internal carotid artery by duplex sonography caused by an increase in volume flow." 1999;29:756 (Letter)
Leiden JM (*see* Schwartz et al). 1999;29:874-83
Leim TK (*see* Calaitges et al). 1999;29:779-86
LeMaire SA. Regarding "Early history of aortic surgery." 1999;29:575 (Letter)
LeMaitre GD. Regarding "Impact of a critical pathway on postoperative length of stay and outcomes after infrainguinal bypass." 1999;29:385-6 (Letter)
Lepäntalo M (*see* Heikkinen et al). 1999;29:554-6 (Case rep.)
Leroy-Ladurie (*see* Fadel et al). 1999;29:581-8
Letsou GV (*see* Engle et al). 1999;29:150-6
Levi GS (*see* Scheinman et al). 1999;29:360-9
Levison JA, Halpern VJ, Kline RG, Faust GR, Cohen JR. Perioperative predictors of colonic ischemia after ruptured abdominal aortic aneurysm. 1999;29:40-7
Lewis J (*see* Ramaswami et al). 1999;29:110-21
Liao S (*see* Moore et al). 1999;29:522-32
Libertiny G, Hands L. Lower limb deep venous flow in patients with peripheral vascular disease. 1999;29:1065-70
Lilly MP (*see* Cohn et al). 1999;29:665-71
Limet R (*see* Lavigne et al). 1999;29:722-3 (Case rep.)
Lindhold C (*see* Bergqvist et al). 1999;29:752-5
Lipsitz E (*see* Wain et al). 1999;29:100-9
Littooy FN (*see* Mansour et al). 1999;29:217-27
Littooy FN (*see* Mansour et al). 1999;29:833-7
Litzler PY, Thomas P, Danielou E, Lucq J, Jacques B, Frebourg N, Plissonnier D, Bastit D, Metayer J, Peillon C, Testart J, Watelet J. Bacterial resistance of refrigerated and cryopreserved aortic allografts in an experimental virulent infection model. 1999;29:1090-6
Liu A (*see* Dardik et al). 1999;29:157-67
Lloyd KS (*see* Engle et al). 1999;29:150-6
Lloyd WE (*see* Byrne et al). 1999;29:259-69
Loftus IM, McCarthy MJ, DPhil AL, Naylor R, Bell PRF, Thompson MM. Prevalence of true vein graft aneurysms: implications for aneurysm pathogenesis. 1999;29:403-8
LoGerfo FW (*see* Hamdan et al). 1999;29:1006-11
LoGerfo FW (*see* Rzucidlo et al). 1999;29:317-25
Loiur JM (*see* Bukhari et al). 1999;29:479-83
Lucertini G, Viacava A, Belardi P. Regarding "Saphenous surgery does not correct perforator incompetence in the presence of deep venous reflux." 1999;29:941-2 (Letter)
Lucq J (*see* Litzler et al). 1999;29:1090-6
Lyon RT (*see* Wain et al). 1999;29:100-9

M

Macchiarini P (*see* Fadel et al). 1999;29:581-8
Macierewicz J (*see* Walker et al). 1999;29:625-30
MacLean NF, Dudek NL, Roach MR. The role of radial elastic properties in the development of aortic dissections. 1999;29:703-10
Maggisano R (*see* Norris et al). 1999;29:386-7 (Letter)
Makaroun MS (*see* Muluk et al). 1999;29:208-16
Mall J (*see* Said et al). 1999;29:639-48
Malone MD, Cisek PL, Comerota AJ, Holland B, Eid IG. High pressure, rapid-inflation pneumatic compression improves venous hemodynamics in healthy volunteers and patients who are post-thrombotic. 1999;29:593-9
Manheim LM (*see* Pearce et al). 1999;29:768-78
Manord JD (*see* Sternbergh et al). 1999;29:672-7
Mansour MA, Littooy FN, Watson WC, Blumofe KA, Heilizer TJ, Steffen GF, Chmura C, Kang SS, Labropoulos N, Greisler HP, Fisher SG, Baker WH. Outcome of moderate carotid artery stenosis in patients who are asymptomatic. 1999;29:217-27
Mansour MA, Webb M, Kang SS, Labropoulos N, Littooy FN, Griesler HP, Baker WH. Timing and frequency of perioperative carotid color-flow duplex scanning: a preliminary report. 1999;29:833-7
Marin ML (*see* Bertucci et al). 1999;29:741-4 (Tech. notes)

Markus HS (*see* Al-Hamali et al). 1999;29:345-51
Marston WA (*see* Passman et al). 1999;29:249-58
Martinez E (*see* Rodriguez-Lopez et al). 1999;29:617-24
Martin RL (*see* Moore et al). 1999;29:522-32
Martin R (*see* Vaezy et al). 1999;29:533-42
Martins J (*see* de Silva et al). 1999;29:920-7
Mascha EJ (*see* Mateo et al). 1999;29:821-32
Mateo RB, O'Hara PJ, Hertzer NR, Mascha EJ, Beven EG, Krajewski LP. Elective surgical treatment of symptomatic chronic mesenteric occlusive disease: early results and late outcomes. 1999;29:821-32
Mathison C (*see* Clagett et al). 1999;29:22-31
Matos MA (*see* Henretta et al). 1999;29:793-8
Matsumoto K, Tanaka K, Ohsumi K, Nakamaru M, Obara H, Hayashi S, Kitajima M. Celiomesenteric anomaly with concurrent aneurysm.. 1999;29:711-4 (Case rep.)
Matsumura JS (*see* McCarthy et al). 1999;29:814-20
May J, White GH, Waugh R, Stephen MS, Chaufour X, Yu W, Harris JP. Adverse events after endoluminal repair of abdominal aortic aneurysms: a comparison during two successive periods of time. 1999;29:32-9
Mays BW, Towne JB, Fitzpatrick CM, Smart SC, Cambria RA, Seabrook GR, Frieschlag JA. Women have increased risk of perioperative myocardial infarction and higher long-term mortality rates after lower extremity arterial bypass grafting. 1999;29:807-13
McCarthy MJ (*see* Loftus et al). 1999;29:403-8
McCarthy WJ, Matsumura JS, Fine NA, Dumanian GA, Pearce WH. Combined arterial reconstruction and free tissue transfer for limb salvage. 1999;29:814-20
McDonnel J (*see* Tangelder et al). 1999;29:913-9
McDowell HA (*see* Jordan et al). 1999;29:387 (Letter reply)
McDowell HA (*see* Jordan et al). 1999;29:758 (Letter reply)
McLafferty RB (*see* Landry et al). 1999;29:270-81
McMillan WD, Pearce WH. Increased plasma levels of metalloproteinase-9 are associated with abdominal aortic aneurysms. 1999;29:122-9
Mekhail NA (*see* Swigris et al). 1999;29:928-35 (Case rep.)
Melliére D (*see* Becquemin et al). 1999;29:422-9
Merchant N (*see* Kalman et al). 1999;29:442-50
Messina LM (*see* Jean-Claude et al). 1999;29:902-12
Metayer J (*see* Litzler et al). 1999;29:1090-6
Meydrech EF (*see* Raju et al). 1999;29:1050-64
Meyerson SL (*see* Schwartz et al). 1999;29:874-83
Meylaerts SA (*see* Jacobs et al). 1999;29:48-59
Miller CC (*see* Engle et al). 1999;29:150-6
Mingoli A, Sapienza P, Feldhaus RJ, Bartoli S, Palombi M, di Marzo L. Long-term results and outcomes of crossover axilloaxillary bypass grafting: a 24-year experience. 1999;29:894-901
Minion DJ, van de Kerkhove MP, Goodman GR, van Aalst JA, Absood A, Fox PL, Graham LM. The proliferative response to platelet-derived growth factor of smooth muscle cells isolated from synthetic vascular grafts in a canine model. 1999;29:845-51
Miralles M, Wester W, Sicard GA, Thompson R, Reilly JM. Indomethacin inhibits expansion of experimental aortic aneurysms via inhibition of the cox2 isoform of cyclooxygenase. 1999;29:884-93
Miyata T, Ohara N, Shigematsu H, Konishi T, Yamaguchi H, Kazama S, Oshiro H, Kawaguchi S, Ishimaru S. Endovascular stent graft repair of aortopulmonary fistula. 1999;29:557-60 (Case rep.)
Moawad J (*see* Schwartz et al). 1999;29:874-83
Moldawer LL (*see* Gaines et al). 1999;29:370-6
Mondy S (*see* Jerius et al). 1999;29:678-84
Moneta GL (*see* Landry et al). 1999;29:270-81
Moneta GL (*see* Taylor et al). 1999;29:8-21
Money SR (*see* Sternbergh et al). 1999;29:672-7
Monteleone F (*see* Torres et al). 1999;29:719-21 (Case rep.)
Moore G, Liao S, Curci JA, Starcher BC, Martin RL, Hendricks RT, Chen JJ, Thompson RW. Suppression of experimental abdominal aortic aneurysms by systemic treatment with a hydroxamate-based matrix metalloproteinase inhibitor (RS 132908). 1999;29:522-32
Moore WS (*see* Kashyap et al). 1999;29:90-9
Morasch MD (*see* Berguer et al). 1999;29:239-48
Müller JM (*see* Said et al). 1999;29:639-48
Muluk SC, Muluk VS, Sugimoto H, Rhee RY, Trachtenberg J, Steed DL, Jarrett F, Webster MW, Makaroun MS. Progression of asymptomatic carotid stenosis: a natural history study in 1004 patients. 1999;29:208-16
Muluk VS (*see* Muluk et al). 1999;29:208-16
Mumme A (*see* Geier et al). 1999;29:730-3 (Case rep.)

N

Nair R, Abdool-Carrim ATO, Chetty R, Robbs JV. Arterial aneurysms in patients infected with human immunodeficiency virus: a distinct clinicopathology entity? 1999;29:600-7
Naito Y (*see* Komia et al). 1999;29:1162-3 (Case rep.)
Nakagawa A (*see* Kobayashi et al). 1999;29:451-8
Nakamaru M (*see* Matsumoto et al). 1999;29:711-4 (Case rep.)
Naylor R (*see* Loftus et al). 1999;29:403-8
Neglen P (*see* Raju et al). 1999;29:1050-64
Nelzén O (*see* Bergqvist et al). 1999;29:752-5
Neumyer MM (*see* Blebea et al). 1999;29:799-806
Nichols K (*see* Calaitges et al). 1999;29:779-86
Nicolaides AN (*see* Ramaswami et al). 1999;29:110-21
Nicoloff A (*see* Cipolla et al). 1999;29:1097-103
Nigro JJ (*see* Eton et al). 1999;29:863-73
Nishikimi N (*see* Kobayashi et al). 1999;29:451-8
Norris JW, Bowyer B, Smurawska L, Maggisano R. Regarding "A comparison of carotid angioplasty with stenting versus endarterectomy with regional anesthesia." 1999;29:386-7 (Letter)
Nosher JL, Siegel RL, Bodner LJ. Access to occluded infrainguinal bypass grafts with a loopsnare. 1999;29:745-7 (Tech. notes)

O

Obara H (*see* Matsumoto et al). 1999;29:711-4 (Case rep.)
Ohara N (*see* Miyata et al). 1999;29:557-60 (Case rep.)
O'Hara PJ (see Mateo et al). 1999;29:821-32
Ohki T (*see* Bertucci et al). 1999;29:741-4 (Tech. notes)
Ohki T (*see* Wain et al). 1999;29:100-9
Ohsumi K (*see* Matsumoto et al). 1999;29:711-4 (Case rep.)
Oldenburg A (*see* Seelig et al). 1999;29:377-81 (Case rep.)
Olin JW (*see* Swigris et al). 1999;29:928-35 (Case rep.)
Oshiro H (*see* Miyata et al). 1999;29:557-60 (Case rep.)
Oskin TC, Hansen KJ, Deitch JS, Craven TE, Dean RH. Chronic renal artery occlusion: nephrectomy versus revascularization. 1999;29:140-9
Ouriel K, Shortell CK, Illig KA, Greenberg RK, Green RM. Intracerebral hemorrhage after carotid endarterectomy: incidence, contribution to neurologic morbidity, and predictive factors. 1999;29:82-9

P

Padberg FT (*see* Curi et al). 1999;29:608-16
Padberg FT (*see* Hobson et al). 1999;29:228-38

Paget DS (*see* Bukhari et al). 1999;29:479-83
Pairolero PC (*see* Seelig et al). 1999;29:377-81 (Case rep.)
Palombi M (*see* Mingoli et al). 1999;29:894-901
Pappas PJ (*see* Curi et al). 1999;29:608-16
Pappas PJ (*see* Hobson et al). 1999;29:228-38
Parker MA (*see* Pearce et al). 1999;29:768-78
Parlani G (*see* Cao et al). 1999;29:995-1005
Passman MA, Farber MA, Criado E, Marston WA, Burnham SJ, Keagy BA. Descending thoracic aorta to iliofemoral artery bypass grafting: a role for primary revascularization for aortoiliac occlusive disease? 1999;29:249-58
Patel S (*see* Curi et al). 1999;29:608-16
Patel ST, Haser PB, Bush HL, Kent KC. The cost-effectiveness of endovascular repair versus open surgical repair of abdominal aortic aneurysms: a decision analysis model. 1999;29:958-72
Paty PSK (*see* Byrne et al). 1999;29:259-69
Pearce WH, Parker MA, Feinglass J, Ujiki M, Manheim LM. The importance of surgeon volume and training in outcomes for vascular surgical procedures. 1999;29:768-78
Pearce WH (*see* McCarthy et al). 1999;29:814-20
Pearce WH (*see* McMillan and Pearce).1999;29:122-9
Peillon C (*see* Litzler et al). 1999;29:1090-6
Pereira PRB (*see* de Silva et al). 1999;29:920-7
Peter F (*see* Said et al). 1999;29:639-48
Pigott JP (*see* Beebe et al). 1999;29:838-44
Plissonnier D (*see* Litzler et al). 1999;29:1090-6
Podore PC, Throop EB. Infrarenal aortic surgery with a 3-day hospital stay: a report on success with a clinical pathway. 1999;29:787-92
Pomposelli FB (*see* Hamdan et al). 1999;29:1006-11
Porter JM (*see* Landry et al). 1999;29:270-81
Porter JM (*see* Taylor et al). 1999;29:8-21
Potter RF (*see* Schlag et al). 1999;29:511-21
Presti C, Puech-Leao P, Albers M. Superficial femoral eversion endarterectomy combined with a vein segment as a composite artery-vein bypass graft for infrainguinal arterial reconstruction.1999;29:413-21
Pritchard WF, Abel DB, Karanian JW. The US Food and Drug Administration investigational device exemptions (IDE) and clinical investigation of cardiovascular devices: information for the investigator. 1999;29:566-74
Puech-Leao P (*see* Presti et al). 1999;29:413-21

Q

Quinones-Baldrich WJ (*see* Kashyap et al). 1999;29:90-9
Quist WC (*see* Rzucidlo et al). 1999;29:317-25
Qvarfordt P (*see* Becquemin et al). 1999;29:422-9

R

Rabkin DG, Goldstein DJ, Flores RM. Spontaneous popliteal artery dissection: a case report and review of the literature. 1999;29:737-40 (Case rep.)
Rahaim MJ (*see* Avino et al). 1999;29:60-71
Raju S, Neglen P, Doolittle J, Meydrech EF. Axillary vein transfer in trabeculated postthrombotic veins. 1999;29:1050-64
Ramaswami G, Tegos T, Nicolaides AN, Dhanjil S, Griffin M, Al-Kutoubi A, Belcaro G, Lewis J, Wilkins R, Davies MJ. Ultrasonic plaque character and outcome after lower limb angioplasty. 1999;29:110-21
Ramsey DE (*see* Henretta et al). 1999;29:793-8
Rappaport DC (*see* Kalman et al). 1999;29:442-50
Ray LI (*see* Rodriguez-Lopez et al). 1999;29:617-24
Rebello T (*see* Cipolla et al). 1999;29:1097-103
Reilly JM (*see* Mirrales et al). 1999;29:884-93
Reilly LM (*see* Jean-Claude et al). 1999;29:902-12
Rhee RY (*see* Muluk et al). 1999;29:208-16
Rhodes JM (*see* Gloviczki et al). 1999;29:489-502
Riles TS (*see* Jacobowitz et al). 1999;29:309-16
Riles TS (*see* Rockman et al). 1999;29:72-81
Ringleb P (*see* Eckstein et al). 1999;29:459-71
Roach MR (*see* MacLean et al). 1999;29:703-10
Robbs JV (*see* Nair et al). 1999;29:600-7
Robison JG (*see* Brothers et al). 1999;29:352-9
Rockman CB, Riles TS, Landis R, Lamparello PJ, Giangola G, Adelman MA, Jacobowitz GR. Redo carotid surgery: an analysis of materials and configurations used in carotid reoperations and their influence on perioperative stroke and subsequent recurrent stenosis. 1999;29:72-81
Rodrigues J (*see* de Silva et al). 1999;29:920-7
Rodriquez-Lopez JA, Werner A, Ray LI, Verikokos C, Torruella LJ, Martinez E, Diethrich EB. Renal artery stenosis treated with stent deployment: indications, technique, and outcome for 108 patients. 1999;29:617-24
Rogalla P (*see* Rücker et al). 1999;29:561-5 (Case rep.)
Root DB (*see* Engle et al). 1999;29:150-6
Rücker RI, Bender A, Rogalla P. Popliteal artery occlusion as a late complication of liquid acrylate embolization for cerebral vascular malformations. 1999;29:561-5 (Case rep.)
Rutherford RB. Problems with the dissemination of up-to-date information on the results of endograft repair for abdominal aortic aneurysm. 1999;29:1167-9
Rzucidlo EM, Quist WC, Hamdan AD, LoGerfo FW. Interferon gamma up-regulates a novel protein in vascular smooth muscle cells. 1999;29:317-25

S

Safi HJ (*see* Engle et al). 1999;29:150-6
Said S, Mall J, Peter F, Müller JM. Laparoscopic aortofemoral bypass grafting: human cadaveric and initial clinical experiences. 1999;29:639-48
Saimanen E (*see* Heikkinen et al). 1999;29:554-6 (Case rep.)
Saito H (*see* Hata et al). 1999;29:551-3
Salles-Cunha SX (*see* Beebe et al). 1999;29:838-44
Salvian AJ (*see* Winkelaar et al). 1999;29:986-94
Sambeck MRHM (*see* van Lankeren et al). 1999;29:430-41
Samson RH, Showalter DP, Yuni: JP. Isolated femoropopliteal bypass graft for limb salvage after failed tibial reconstruction: a viable alternative to amputation. 1999;29:409-12
Sanchez LA (*see* Wain et al). 1999;29:100-9
Sandager GP (*see* Cohn et al). 1999;29:665-71
Sandgren T, Sonesson B, Ahlgren AR, Länne T. The diameter of the common femoral artery in healthy humans: influence of sex, age, and body size.1999;29:503-10
Sapienza P (*see* Mingoli et al). 1999;29:894-901
Sarkar R, Dickinson CJ, Stanley JC. Effects of somatostatin, somatostatin analogs, and endothelial cell somatostatin gene transfer on smooth muscle cell proliferation in vitro. 1999;29:685-93
Sasajima T (*see* Azuma et al). 1999;29:694-702
Sassani AB (*see* Schneider et al). 1999;29:543-50
Scheinman M, Ascher E, Levi GS, Hingorani A, Shirazian D, Seth P. p53 gene transfer to the injured rat carotid artery decreases neointimal formation. 1999;29:360-9
Schlag MG, Clarke S, Carson MW, Harris KA, Potter RF. The effect of mannitol versus dimethyl thiourea at attenuating ischemia/reperfusion-induced injury to the skeletal muscle. 1999;29:511-21
Schmid R (*see* Cassina et al). 1999;29:756-7 (Letter reply)

Schneider DB, Sassani AB, Vassalli G, Driscoll RM, Dichek DA. Adventitial delivery minimizes the proinflammatory effects of adenoviral vectors. 1999;29:543-50
Schuff RA (*see* Taylor et al). 1999;29:8-21
Schumacher H (*see* Eckstein et al). 1999;29:459-71
Schwarten D (*see* Zarins et al). 1999;29:292-308
Schwartz LB, Moawad J, Svensson EC, Tufts RL, Meyerson SL, Baunoch D, Leiden JM. Adenoviral-mediated gene transfer of a constitutively active form of the retinoblastoma gene product attenuates neointimal thickening in experimental vein grafts. 1999;29:874-83
Scissons RP Cunha SX (*see* Beebe et al). 1999;29:838-44
Seabrook GR (*see* Mays et al). 1999;29:807-13
Sebastian MW (*see* Upchurch et al). 1999;29:1022-30
Seeger JM (*see* Gaines et al). 1999;29:370-6
Seelig MH, Oldenburg A, Klingler PJ, Blute ML, Pairolero PC. Mycotic vascular infections of large arteries with Mycobacterium bovis after intravesical bacillus Calmette-Guérin therapy. 1999;29:377-81 (Case rep.)
Seiwart AJ (*see* Beebe et al). 1999;29:838-44
Seth P (see Scheinman et al). 1999;29:360-9
Sexton GJ (*see* Taylor et al). 1999;29:8-21
Shah DM (*see* Byrne et al). 1999;29:259-69
Shigematsu H (*see* Miyata et al). 1999;29:557-60 (Case rep.)
Shirazian D (*see* Scheinman et al). 1999;29:360-9
Shireman PK, Hampton B, Burgess WH, Griesler HP. Modulation of vascular cell growth kinetics by local cytokine delivery from fibrin glue suspensions. 1999;29:852-62
Shortell CK (*see* Ouriel et al). 1999;29:82-9
Showalter (*see* Samson et al). 1999;29:409-12
Sicard GA (*see* Mirrales et al). 1999;29:884-93
Siegel RL (*see* Nosher et al). 1999;29:745-7 (Tech. notes)
Silva MB (*see* Curi et al). 1999;29:608-16
Silva MB (*see* Hobson et al). 1999;29:228-38
Silver D (*see* Calaitges et al). 1999;29:779-86
Skinner RA, Ceraldi C. Bypass graft of an occluded inferior vena cava: report of a case with patency at five years. 1999;29:727-9 (Case rep.)
Skotnicki SH (*see* Haenen et al). 1999;29:1071-6
Smart SC (*see* Mays et al). 1999;29:807-13
Smith LA (*see* Thomas et al). 1999;29:1159-61 (Case rep.)
Smurawska L (*see* Norris et al). 1999;29:386-7 (Letter)
Sonesson B (*see* Sandgren et al). 1999;29:503-10
Spadone D (*see* Calaitges et al). 1999;29:779-86
Stahl RD, Lawrence PF, Bhirangi K. Left subclavian artery aneurysm: two cases of rare congenital etiology. 1999;29:715-8 (Case rep.)
Stanley JC (*see* Sarkar et al). 1999;29:685-93
Starcher BC (*see* Moore et al). 1999;29:522-32
Steed DL (*see* Muluk et al). 1999;29:208-16
Steffen GF (*see* Mansour et al). 1999;29:217-27
Stephen MS (*see* May et al). 1999;29:32-9
Sterbach Y (*see* Henretta et al). 1999;29:793-8
Sternbergh WC, Garrard CL, Gonze MD, Manord JD, Bowen JC, Money SR. Carotid endarterectomy in patients with significant renal dysfunction. 1999;29:672-7
Stihnen T (*see* van Lankeren et al). 1999;29:430-41
Stoney RJ (*see* Jean-Claude et al). 1999;29:902-12
Stuart WP, Bradbury AW. Regarding "Saphenous surgery does not correct perforator incompetence in the presence of deep venous reflux." 1999;29:941-2 (Reply)
Suggs WD (*see* Wain et al). 1999;29:100-9
Sugimachi K (*see* Yonemitsu et al). 1999;29:389-90 (Letter)
Sugimoto H (*see* Muluk et al). 1999;29:208-16
Sumner DS (*see* Henretta et al). 1999;29:793-8
Sumpio BE (*see* Gahtan et al). 1999;29:1031-6
Svendsen E (*see* Huynh et al). 1999;29:334-44
Svensson EC (*see* Schwartz et al). 1999;29:874-83
Swigris JJ, Olin JW, Mekhail NA. Implantable spinal cord stimulator to treat the ischemic manifestations of thromboangiitis obliterans (Buerger's disease). 1999;29:928-35 (Case rep.)

T

Tabayashi K (*see* Hata et al). 1999;29:551-3
Takahashi AM (*see* Eton et al). 1999;29:863-73
Tanaka K (*see* Matsumoto et al). 1999;29:711-4 (Case rep.)
Tanaka Y (*see* Hata et al). 1999;29:551-3
Tangelder MJD, McDonnel J, Van Busschbach JJ, Buskens E, Algra A, Lawson JA, Eikelboom BC. Quality of life after infrainguinal bypass grafting surgery. 1999;29:913-9
Tang L (*see* Eton et al). 1999;29:863-73
Taylor CA, Hughes TJR, Zarins CK. Effect of exercise on hemodynamic conditions in the abdominal aorta. 1999;29:1077-89
Taylor DC (*see* Winkelaar et al). 1999;29:986-94
Taylor LM, Moneta GL, Sexton GJ, Schuff RA, Porter JM. Prospective blinded study of the relationship between plasma homocysteine and progression of symptomatic peripheral arterial disease. 1999;29:8-21
Taylor LM (*see* Landry et al). 1999;29:270-81
Teal PA (*see* Winkelaar et al). 1999;29:986-94
Tegos T (*see* Ramaswami et al). 1999;29:110-21
Terramani TT (*see* Eton et al). 1999;29:863-73
Testart J (*see* Litzler et al). 1999;29:1090-6
Thien T (*see* Haenen et al). 1999;29:1071-6
Thomas J, Smith LA, Hamilton IN. Vascular reconstruction utilizing artery from an amputated extremity: a case report. 1999;29:1159-61 (Case rep.)
Thomas P (*see* Litzler et al). 1999;29:1090-6
Thompson JE. Regarding "Early history of aortic surgery." 1999;29:575 (Letter reply)
Thompson JE. Regarding "Early history of aortic surgery." 1999;29:575-6 (Letter reply)
Thompson MM (*see* Loftus et al). 1999;29:403-8
Thompson R (*see* Mirrales et al). 1999;29:884-93
Throop EB (*see* Podore and Throop). 1999;29:787-92
Title L. Regarding "Endothelium-dependent vasodilatation is impaired in both microcirculation and macrocirculation during acute hyperglycemia." 1999;29:942-3 (Letter)
Torres G, Hines GL, Monteleone F, Hon M, Diel J. Splenic vein aneurysm: is it a surgical indication? 1999;29:719-21 (Case rep.)
Torruella LJ (*see* Rodriguez-Lopez et al). 1999;29:617-24
Towne JB (*see* Mays et al). 1999;29:807-13
Trachtenberg J (*see* Muluk et al). 1999;29:208-16
Tripp HF (*see* Ducharme et al). 1999;29:724-6 (Case rep.)
Trovato MJ (*see* Huynh et al). 1999;29:334-44
Tufts RL (*see* Schwartz et al). 1999;29:874-83
Turnipseed WD. Looking back to the future. 1999;29:763-7
Tuszynski GR (*see* Gahtan et al). 1999;29:1031-6

U

Ujiki M (*see* Pearce et al). 1999;29:768-78
Upchurch GR, Gerhard-Herman MD, Sebastian MW, Belkin M, Conte MS, Donaldson MC, Whittemore AD. Improved graft patency and altered remodeling in infrainguinal vein graft reconstruction for aneurysmal versus occlusive disease. 1999;29:1022-30

V

Vaezy S, Martin R, Kaczkowski P, Keilman G, Goldman B, Yaziji H, Carter S, Caps M, Crum L. Use of high-intensity focused ultrasound to control bleeding.1999;29:533-42
Valentine J (*see* Wells et al). 1999;29:282-91
Valentine RJ (*see* Clagett et al). 1999;29:22-31
Valtonen M (*see* Heikkinen et al). 1999;29:554-6 (Case rep.)
van Aalst JA (*see* Minion et al). 1999;29:845-51
van Asten WNJC (*see* Haenen et al). 1999;29:1071-6
van Bockel H (*see* van Rooden at al). 1999;29:1037-49
Van Busschbach JJ (*see* Tangelder et al). 1999;29:913-9
Vandam LD (*see* Gelman et al). 1999;29:757-8 (Letter)
van de Kerkhove MP (*see* Minion et al). 1999;29:845-51
van der Lugt A (*see* van Essen et al). 1999;29:631-8
van der Lugt A (*see* van Lankeren et al). 1999;29:430-41
van Dijk LC (*see* van Essen et al). 1999;29:631-8
van Essen JA, Gussenhoven EJ, van der Lugt A, Huijsman PC, van Muiswinkel M, van Sambeek MRHM, van Dijk LC, van Urk H. Accurate assessment of abdominal aortic aneurysm with intravascular ultrasound scanning: validation with computed tomographic angiography. 1999;29:631-8
van Langen H (*see* Haenen et al). 1999;29:1071-6
van Lankeren W, Gussenhoven EJ, Honkoop J, Stihnen T, van Overhagen H, Wittens CHA, Kranendonk SE, van Sambeck MRHM, van der Lugt A. Plaque area increase and vascular remodeling contribute to lumen area change after percutaneous transluminal angioplasty of the femoropopliteal artery: an intravascular ultrasound study. 1999;29:430-41
van Muiswinkel M (*see* van Essen et al). 1999;29:631-8
van Overhagen H (*see* van Lankeren et al). 1999;29:430-41
van Rooden CJ, van Bockel H, De Backer GG, Hermans J, Chang PC. Long-term outcome of surgical revascularization in ischemic nephropathy: normalization of average decline in renal function. 1999;29:1037-49
van Sambeek MRHM (*see* van Essen et al). 1999;29:631-8
Van 't MA (*see* Haenen et al). 1999;29:1071-6
van Urk H (*see* van Essen et al). 1999;29:631-8
Vassalli G (*see* Schneider et al). 1999;29:543-50
Veith FJ (*see* Bertucci et al). 1999;29:741-4 (Tech. notes)
Veith FJ (see Wain et al). 1999;29:100-9
Veith FJ (*see* White et al). 1999;29:177-86
Verikokos C (*see* Rodriguez-Lopez et al). 1999;29:617-24
Veves A. Regarding "Endothelium-dependent vasodilatation is impaired in both microcirculation and macrocirculation during acute hyperglycemia." 1999;29:942-3 (Reply)
Viacava A (Lucertini et al). 1999;29:941-2 (Letter)
Villavicencio JL. The distinguished service award medal of the Society for Vascular Surgery: Richard Warren's legacy to vascular surgery. 1999;29:382-4
Voellinger DC (*see* Jordan et al). 1999;29:387 (Letter reply)
Voellinger DC (*see* Jordan et al). 1999;29:758 (Letter reply)

W

Wain RA, Berdejo GL, Delvalle WN, Lyon RT, Sanchez LA, Suggs WD, Ohki T, Lipsitz E, Veith FJ. Can duplex scan arterial mapping replace contrast arteriography as the test of choice before infrainguinal revascularization? 1999;29:100-9
Walker SR, Macierewicz J, Elmarasy NM, Gregson RHS, Whitaker SC, Hopkinson BR. A prospective study to assess changes in proximal aortic neck dimensions after endovascular repair of abdominal aortic aneurysms. 1999;29:625-30
Walters H (*see* Al-Hamali et al). 1999;29:345-51
Walvatne C (*see* Holtzman et al). 1999;29:395-402
Wang WJ (*see* Gahtan et al). 1999;29:1031-6
Wang WY. Regarding "Aortoiliac stent deployment versus surgical reconstruction: analysis of outcome and cost." 1999;29:387-8 (Letter)
Wang Y (*see* Eton et al). 1999;29:863-73
Watelet J (*see* Litzler et al). 1999;29:1090-6
Watson WC (*see* Mansour et al). 1999;29:217-27
Waugh R (*see* May et al). 1999;29:32-9
Webb M (*see* Mansour et al). 1999;29:833-7
Webster MW (*see* Muluk et al). 1999;29:208-16
Welborn B (*see* Gaines et al). 1999;29:370-6
Wells JK, Hagino RT, Bargmann KM, Jackson MR, Valentine J, Kakish HB, Clagett GP. Venous morbidity after superficial femoralpopliteal vein harvest. 1999;29:282-91
Werner A (*see* Rodriguez-Lopez et al). 1999;29:617-24
Wester W (*see* Mirrales et al). 1999;29:884-93
Whalen RC (*see* Beebe et al). 1999;29:838-44
Whitaker SC (*see* Walker et al). 1999;29:625-30
White GH (*see* May et al). 1999;29:32-9
White RA, Hodgson KM, Ahn SS, Hobson RW, Veith FJ. Endovascular interventions training and credentialing for vascular surgeons. 1999;29:177-86 (Special comm.)
White RA (*see* Zarins et al). 1999;29:292-308
Whitley D, Goldberg SP, Jordan WD. Heat shock proteins: a review of the molecular chaperones. 1999;29:748-51
Whittemore AD (*see* Upchurch et al). 1999;29:1022-30
Wilkins R (*see* Ramaswami et al). 1999;29:110-21
Willis AI (*see* Gahtan et al). 1999;29:1031-6
Winkelaar GB, Chen JC, Salvian AJ, Taylor DC, Teal PA, Hsiang YN. New duplex ultrasound scan criteria for managing symptomatic 50% or greater carotid stenosis. 1999;29:986-94
Wittens CHA (*see* van Lankeren et al). 1999;29:430-41
Wolf SE (*see* Jeschke et al). 1999;29:168-76
Wollersheim H (*see* Haenen et al). 1999;29:1071-6
Wootton D (*see* Jerius et al). 1999;29:678-84

Y

Yamaguchi H (*see* Miyata et al). 1999;29:557-60 (Case rep.)
Yaziji H (*see* Vaezy et al). 1999;29:533-42
Yeager RA (*see* Landry et al). 1999;29:270-81
Yonemitsu Y, Komori K, Sugimachi K. Regarding "Detection of active cytomegalovirus infection in inflammatory aortic aneurysms with RNA polymerase chain reaction." 1999;29:389-90 (Letter)
Yonover PM (*see* Fox et al). 1999;29:734-6 (Case rep.)
Youkey JR (*see* Bigatel et al). 1999;29:130-9
Yu H (*see* Eton et al). 1999;29:863-73
Yunis JP (*see* Samson et al). 1999;29:409-12
Yu W (*see* May et al). 1999;29:32-9

Z

Zairns CK. The limits of endovascular aortic aneurysm repair. 1999;29:1164-6
Zanoto A (*see* de Silva et al). 1999;29:920-7
Zarins CK, White RA, Schwarten D, Kinney E, Diethrich EB, Hodgson KJ, Fogarty TJ. AneuRx stent graft versus open surgical repair of abdominal aortic aneurysms: multicenter prospective clinical trial. 1999;29:292-308
Zarins CK (*see* Taylor et al). 1999;29:1077-89
Zennetti S (*see* Cao et al). 1999;29:995-1005
Zierler E (*see* Hirsch et al). 1999;29:939-40
Zweibel BR (*see* Avino et al). 1999;29:60-71

*Subject index**

A

Abdominal aorta. ***see*** **Aorta, abdominal**

Abdominal aortic aneurysm

see Aortic aneurysm, abdominal

Acrylate

Popliteal artery occlusion as a late complication of liquid acrylate embolization for cerebral vascular malformations (Rücker et al). 1999;29:561-5 (Case rep.)

Adenovirus

Adenoviral-mediated gene transfer of a constitutively active form of the retinoblastoma gene product attenuates neointimal thickening in experimental vein grafts (Schwartz et al). 1999;29:874-83

Age factors

The diameter of the common femoral artery in healthy humans: influence of sex, age, and body size (Sandgren et al). 1999;29:503-10

Allograft. ***see*** **Transplantation, homologous**

Amputation

Combined arterial reconstruction and free tissue transfer for limb salvage (McCarthy et al). 1999;29:814-20

Isolated femoropopliteal bypass graft for limb salvage after failed tibial reconstruction: a viable alternative to amputation (Samson et al). 1999;29:409-12

Vascular reconstruction utilizing artery from an amputated extremity: a case report (Thomas et al). 1999;29:1159-61 (Case rep.)

Anesthesia, conduction

Regarding "A comparison of carotid angioplasty with stenting versus endarterectomy with regional anesthesia" (Gelman and Vandam) (Letter); (Jordan et al) (Reply). 1999;29:757-8

Regarding "Impact of a critical pathway on postoperative length of stay and outcomes after infrainguinal bypass" (LeMaitre). 1999;29:385-6 (Letter)

Aneurysm

Arterial aneurysms in patients infected with human immunodeficiency virus: a distinct clinicopathology entity? (Nair et al). 1999;29:600-7

Celiomesenteric anomaly with concurrent aneurysm (Matsumoto et al). 1999;29:711-4 (Case rep.)

Improved graft patency and altered remodeling in infrainguinal vein graft reconstruction for aneurysmal versus occlusive disease (Upchurch et al). 1999;29:1022-30

Left subclavian artery aneurysm: two cases of rare congenital etiology (Stahl et al). 1999;29:715-8 (Case rep.)

Prevalence of true vein graft aneurysms: implications for aneurysm pathogenesis (Loftus et al). 1999;29:403-8

Regarding "Infrainguinal aneurysm formation in arterialized autologous saphenous vein grafts" (Dardik) (Letter); (Cassina et al) (Reply). 1999;29:756-7

Splenic vein aneurysm: is it a surgical indication? (Torres et al). 1999;29:719-21 (Case rep.)

Aneurysm, dissecting

The role of radial elastic properties in the development of aortic dissections (MacLean et al). 1999;29:703-10

Type B aortic dissection and thoracoabdominal aneurysm formation after endoluminal stent repair of abdominal aortic aneurysm (Girardi et al). 1999;29:936-8 (Case rep.)

Aneurysm, ruptured

Perioperative predictors of colonic ischemia after ruptured abdominal aortic aneurysm (Levison et al). 1999;29:40-7

Angiogenesis

Endothelial nitric oxide synthase (eNOS) is not required for basic fibroblast growth factor (bFGF) induced angiogenesis in vivo (Lee et al). 1999;29:1148 (Special comm.)

Angiography

Can duplex scan arterial mapping replace contrast arteriography as the test of choice before infrainguinal revascularization? (Wain et al). 1999;29:100-9

Surgical renal artery reconstruction without contrast arteriography: the role of clinical profiling and magnetic resonance angiography (Cambria et al). 1999;29:1012-21

Angiography, magnetic resonance. ***see*** **Magnetic resonance angiography**

Angioplasty

Carotid restenosis: operative and endovascular management (Hobson et al). 1999;29:228-38

Elective surgical treatment of symptomatic chronic mesenteric occlusive disease: early results and late outcomes (Mateo et al). 1999;29:821-32

Redo carotid surgery: an analysis of materials and configurations used in carotid reoperations and their influence on perioperative stroke and subsequent recurrent stenosis (Rockman et al). 1999;29:72-81

Surgical and endovascular intervention for infrainguinal vein graft stenosis (Avino et al). 1999;29:60-71

Surgical transluminal iliac angioplasty with selective stenting: long-term results assessed by means of duplex scanning (Becquemin et al). 1999;29:422-9

Angioplasty, balloon

Detection of distal emboli in patients with peripheral arterial stenosis before and after iliac angioplasty: a prospective study (Al-Hamali et al). 1999;29:345-51

Plaque area increase and vascular remodeling contribute to lumen area change after percutaneous transluminal angioplasty of the femoropopliteal artery: an intravascular ultrasound study (van Lankeren et al). 1999;29:430-41

Regarding "A comparison of carotid angioplasty with stenting versus endarterectomy with regional anesthesia" (Gelman and Vandam) (Letter); (Jordan et al) (Reply). 1999;29:757-8

Regarding "Impact of a critical pathway on postoperative length of stay and outcomes after infrainguinal bypass" (LeMaitre). 1999;29:385-6 (Letter)

Ultrasonic plaque character and outcome after lower limb angioplasty (Ramaswami et al). 1999;29:110-21

Anticoagulants

The role of heparin-associated antiplatelet antibodies in the outcome of arterial reconstruction (Calaitges et al). 1999;29:779-86

Aorta

Bacterial resistance of refrigerated and cryopreserved aortic allografts in an experimental virulent infection model (Litzler et al). 1999;29:1090-6

Late rupture of a saphenous vein aortorenal graft (Lavigne et al). 1999;29:722-3 (Case rep.)

A prospective study to assess changes in proximal aortic neck dimensions after endovascular repair of abdominal aortic aneurysms (Walker et al). 1999;29:625-30

*January, pp. 1-200; February, pp. 201-394; March, pp. 395-580; April, pp. 581-762; May, pp. 763-948; June, pp. 949-1200.

A randomized trial of intraoperative autotransfusion during aortic surgery (Clagett et al). 1999;29:22-31
Regarding "Early history of aortic surgery" (Leeds) (Letter); (Thompson) (Reply). 1999;29:575

Aorta, abdominal
Effect of exercise on hemodynamic conditions in the abdominal aorta (Taylor et al). 1999;29:1077-89
Infrarenal aortic surgery with a 3-day hospital stay: a report on success with a clinical pathway (Podore and Throop). 1999;29:787-92
Laparoscopic aortofemoral bypass grafting: human cadaveric and initial clinical experiences (Said et al). 1999;29:639-48
Variation of infrarenal aortic diameter: a necropsy study (da Silva et al). 1999;29:920-7

Aorta, thoracic
Descending thoracic aorta to iliofemoral artery bypass grafting: a role for primary revascularization for aortoiliac occlusive disease? (Passman et al). 1999;29:249-58

Aortic aneurysm
Functional role of connective tissue repair in experimental aortic aneurysms (Huffman et al). 1999;29:1151 (Special comm.)
The impact of diaphragm management on prolonged ventilator support after thoracoabdominal aortic repair (Engle et al). 1999;29:150-6
Indomethacin inhibits expansion of experimental aortic aneurysms via inhibition of the cox2 isoform of cyclooxygenase (Miralles et al). 1999;29:884-93
The limits of endovascular aortic aneurysm repair (Zarins). 1999;29:1164-6
Pararenal aortic aneurysms: the future of open aortic aneurysm repair (Jean-Claude et al). 1999;29:902-12
Regarding "Detection of active cytomegalovirus infection in inflammatory aortic aneurysms with RNA polymerase chain reaction" (Yonemitsu et al). 1999;29:389-90 (Letter)
Strategies to prevent neurologic deficit based on motor-evoked potentials in type I and II thoracoabdominal aortic aneurysm repair (Jacobs et al). 1999;29:48-59

Aortic aneurysm, abdominal
Accurate assessment of abdominal aortic aneurysm with intravascular ultrasound scanning: validation with computed tomographic angiography (van Essen et al). 1999;29:631-8
Adverse events after endoluminal repair of abdominal aortic aneurysms: a comparison during two successive periods of time (May et al). 1999;29:32-9
AneuRx stent graft versus open surgical repair of abdominal aortic aneurysms: multicenter prospective clinical trial (Zarins et al). 1999;29:292-308
The cost-effectiveness of endovascular repair versus open surgical repair of abdominal aortic aneurysms: a decision analysis model (Patel et al). 1999;29:958-72
Feasibility of endovascular repair of abdominal aortic aneurysms with local anesthesia with intravenous sedation (Henretta et al). 1999;29:793-8
Immediate and late explanation of endovascular aortic grafts: the Endovascular Technologies experience (Jacobowitz et al). 1999;29:309-16
The importance of surgeon volume and training in outcomes for vascular surgical procedures (Pearce et al). 1999;29:768-78
Increased plasma levels of metalloproteinase-9 are associated with abdominal aortic aneurysms (Macmillan and Pearce). 1999;29:122-9
The matrix metalloproteinase inhibitor BB-94 limits expansion of experimental abdominal aortic aneurysms (Bigatel et al). 1999;29:130-9
Novel in vitro systems to mimic in vivo physical environments and clinically relevant systems for imaging of the in vivo physical forces (Vorp). 1999;29:1122-4 (Special comm.)
Perioperative predictors of colonic ischemia after ruptured abdominal aortic aneurysm (Levison et al). 1999;29:40-7
Periprosthetic leak and rupture after endovascular repair of abdominal aortic aneurysm: the significance of device design for long-term results (Krohg-Sørensen et al). 1999;29:1152-8 (Case rep.)
Problems with the dissemination of up-to-date information on the results of endograft repair for abdominal aortic aneurysm (Rutherford). 1999;29:1167-9
A prospective study to assess changes in proximal aortic neck dimensions after endovascular repair of abdominal aortic aneurysms (Walker et al). 1999;29:625-30
A randomized trial of intraoperative autotransfusion during aortic surgery (Clagett et al). 1999;29:22-31
Should endovascular surgery lower the threshold for repair of abdominal aortic aneurysms? (Finlayson et al). 1999;29:973-85
Superior mesenteric artery syndrome as a result of enlarged abdominal aortic aneurysm (Komia et al). 1999;29:1162-3 (Case rep.)
Suppression of experimental abdominal aortic aneurysms by systemic treatment with a hydroxamate-based matrix metalloproteinase inhibitor (RS 132908) (Moore et al). 1999;29:522-32
Type B aortic dissection and thoracoabdominal aneurysm formation after endoluminal stent repair of abdominal aortic aneurysm (Girardi et al). 1999;29:936-8 (Case rep.)
The United Kingdom Small Aneurysm Trial: implications for surgical treatment of abdominal aortic aneurysms (Cronenwett and Johnston). 1999;29:191-4
The value of late computed tomographic scanning in identification of vascular abnormalities after abdominal aortic aneurysm repair (Kalman et al). 1999;29:442-50
"Variable induction of experimental abdominal aortic aneurysms with different preparations of porcine pancreatic elastase" (Curci and Thompson). 1999;29:385 (Letter)

Aortic aneurysm, thoracic
Endovascular repair of a descending thoracic aortic aneurysm: a tip for systemic pressure reduction (Hata et al). 1999;29:551-3

Aortic diseases
Regarding "Aortoiliac stent deployment versus surgical reconstruction: analysis of outcome and cost" (Wang) (Letter); (Ballard) (Reply). 1999;29:387-8

Apoptosis
Vascular endothelial growth factor inhibits apoptosis in vascular smooth muscle cells exposed to ultraviolet B irradiation (Costanza et al). 1999;29:1149 (Special comm.)

Arterial occlusive diseases
Can duplex scan arterial mapping replace contrast arteriography as the test of choice before infrainguinal revascularization? (Wain et al). 1999;29:100-9
Cervical reconstruction of the supra-aortic trunks: a 16-year experience (Berguer et al). 1999;29:239-48
Descending thoracic aorta to iliofemoral artery bypass grafting: a role for primary revascularization for aortoiliac occlusive disease? (Passman et al). 1999;29:249-58

Detection of distal emboli in patients with peripheral arterial stenosis before and after iliac angioplasty: a prospective study (Al-Hamali et al). 1999;29:345-51
Improved graft patency and altered remodeling in infrainguinal vein graft reconstruction for aneurysmal versus occlusive disease (Upchurch et al). 1999;29:1022-30
Infrainguinal arterial reconstruction for claudication: is it worth the risk? an analysis of 409 procedures (Byrne et al). 1999;29:259-69
Physical forces and the formation of collateralization in chronic occlusive arterial disease (Ito et al). 1999;29:1113-4 (Special comm.)
Popliteal artery occlusion as a late complication of liquid acrylate embolization for cerebral vascular malformations (Rücker et al). 1999;29:561-5 (Case rep.)

Arteries
Fluid dynamics in vascular pathology: adaptations of the arterial wall to chronic changes in blood flow (Langille). 1999;29:1106-8 (Special comm.)
Hyaluronan is induced by arterial injury and promotes collagen gel contraction by smooth muscle cells (SMC) and adventitial fibroblasts: potential role in post-angioplasty remodeling and restenosis (Hughes et al). 1999;29:1150 (Special comm.)
Mycotic vascular infections of large arteries with Mycobacterium bovis after intravesical bacillus Calmette-Guérin therapy (Seelig et al). 1999;29:377-81 (Case rep.)
Propionyl-L-carnitine dilates human subcutaneous arteries through an endothelium-dependent mechanism (Cipolla et al). 1999;29:1097-103
Shear stress regulation of arterial adaptations (Singh et al). 1999;29:1130-1 (Special comm.)
Shear stress regulation of monocyte/endothelial interactions (Sprague et al). 1999;29:1138-40 (Special comm.)
Vascular reconstruction utilizing artery from an amputated extremity: a case report (Thomas et al). 1999;29:1159-61 (Case rep.)

Arterio-arterial fistula
Endovascular stent graft repair of aortopulmonary fistula (Miyata et al). 1999;29:557-60 (Case rep.)

Arteriography. *see* Angiography

Atherosclerosis
Carotid artery repair for radiation-associated atherosclerosis is a safe and durable procedure (Kashyap et al). 1999;29:90-9
Plaque rupture: a hypothesis (Schwartz). 1999;29:1134-7 (Special comm.)
Prospective blinded study of the relationship between plasma homocysteine and progression of symptomatic peripheral arterial disease (Taylor et al). 1999;29:8-21
Ultrasonic plaque character and outcome after lower limb angioplasty (Ramaswami et al). 1999;29:110-21

Athletes
Sudden cardiac death in the athlete (Estes et al). 1999;29:393

Autologous blood transfusion. *see* Blood transfusion, autologous

Autopsy
Variation of infrarenal aortic diameter: a necropsy study (da Silva et al). 1999;29:920-7

Axillary vein
Axillary vein transfer in trabeculated postthrombotic veins (Raju et al). 1999;29:1050-64

B

Balloon angioplasty. *see* Angioplasty, balloon

Bandages
High pressure, rapid-inflation pneumatic compression improves venous hemodynamics in healthy volunteers and patients who are post-thrombotic (Malone et al). 1999;29:593-9

BCG vaccine
Mycotic vascular infections of large arteries with Mycobacterium bovis after intravesical bacillus Calmette-Guérin therapy (Seelig et al). 1999;29:377-81 (Case rep.)

Blacks
Diabetes mellitus is the major risk factor for African Americans who undergo peripheral bypass graft operation (Brothers et al). 1999;29:352-9

Bladder
Unilateral iliac vein occlusion, caused by bladder enlargement, stimulating deep venous thrombosis (Ducharme et al). 1999;29:724-6 (Case rep.)

Blood flow velocity
Effect of exercise on hemodynamic conditions in the abdominal aorta (Taylor et al). 1999;29:1077-89
Fluid dynamics in vascular pathology: adaptations of the arterial wall to chronic changes in blood flow (Langille). 1999;29:1106-8 (Special comm.)
Lower limb deep venous flow in patients with peripheral vascular disease (Libertiny and Hands). 1999;29:1065-70
Noninvasive clinical techniques for flow velocity mapping and wall motion quantification (Maier). 1999;29:1125-7 (Special comm.)
Regarding "Overestimation of a stenosis in the internal carotid artery by duplex sonography caused by an increase in volume flow" (Legemate). 1999;29:756 (Letter)
Regulation of intimal growth and regression by blood flow (Clowes et al). 1999;29:1108-9 (Special comm.)
Shear stress regulation of arterial adaptations (Singh et al). 1999;29:1130-1 (Special comm.)

Blood platelets
The role of heparin-associated antiplatelet antibodies in the outcome of arterial reconstruction (Calaitges et al). 1999;29:779-86

Blood transfusion, autologous
A randomized trial of intraoperative autotransfusion during aortic surgery (Clagett et al). 1999;29:22-31

Blood vessel prosthesis
Carotid endarterectomy outcome with vein or Dacron graft patch angioplasty and internal carotid artery shortening (Archie). 1999;29:654-64
Chronic in vitro shear stress stimulates endothelial cell retention on prosthetic (Dardik et al). 1999;29:157-67
Descending thoracic aorta to iliofemoral artery bypass grafting: a role for primary revascularization for aortoiliac occlusive disease? (Passman et al). 1999;29:249-58
Diabetes mellitus is the major risk factor for African Americans who undergo peripheral bypass graft operation (Brothers et al). 1999;29:352-9
Immediate and late explanation of endovascular aortic grafts: the Endovascular Technologies experience (Jacobowitz et al). 1999;29:309-16
Late rupture of a saphenous vein aortorenal graft (Lavigne et al). 1999;29:722-3 (Case rep.)
Polyurethane vascular prostheses decreases neointimal formation compared with expanded polytetrafluorethylene (Jeschke et al). 1999;29:168-76

Blood vessel prosthesis implantation
Adverse events after endoluminal repair of abdominal aortic aneurysms: a comparison during two successive periods of time (May et al). 1999;29:32-9
Blood vessels
Contribution of unique SMC subpopulations to vascular disease (Stenmark et al). 1999;29:1109-11 (Special comm.)
Development origins of vascular smooth muscle diversity (Majesky et al). 1999;29:1111-3 (Special comm.)
Developments in imaging techniques plaque localization and vessel biomechanics (Cornhill). 1999;29:1127-30 (Special comm.)
Mechano-signaling pathways in vascular cells exposed to cyclic strain (Sumpio). 1999;29:1117-9 (Special comm.)
Monocyte adhesion to injured vessels: specific inhibition of fibrinogen/mac-1 interaction by 1-domain peptide (Gangadharan et al). 1999;29:1147 (Special comm.)
Role of serum response factor (SRF) in SMC differentiation (Majesky and Lu). 1999;29:1113 (Special comm.)
Book reviews
Book reviews. 1999;29:187-90, 391-3, 577-9, 759-62, 944-948, 1172-4
Buerger's disease
see Thromboangiitis obliterans

C

Cadaver
Variation of infrarenal aortic diameter: a necropsy study (da Silva et al). 1999;29:920-7
Carotid arteries
Carotid artery repair for radiation-associated atherosclerosis is a safe and durable procedure (Kashyap et al). 1999;29:90-9
Carotid endarterectomy and intracranial thrombolysis: simultaneous and staged procedures in ischemic stroke (Eckstein et al). 1999;29:459-71
Carotid endarterectomy outcome with vein or Dacron graft patch angioplasty and internal carotid artery shortening (Archie). 1999;29:654-64
Immunosuppression with FK506 in rat arterial allografts: fate of allogeneic endothelial cells (Azuma et al). 1999;29:694-702
p53 gene transfer to the injured rat carotid artery decreases neointimal formation (Scheinman et al). 1999;29:360-9
Regarding "Overestimation of a stenosis in the internal carotid artery by duplex sonography caused by an increase in volume flow" (Legemate). 1999;29:756 (Letter)
Carotid body tumor
Familial carotid body tumors: a closer look (Kohn et al). 1999;29:649-53
Carotid endarterectomy. ***see*** **Endarterectomy, carotid**
Carotid stenosis
Carotid arterial ultrasound scan imaging: a direct approach to stenosis measurement (Beebe et al). 1999;29:838-44
Carotid artery repair for radiation-associated atherosclerosis is a safe and durable procedure (Kashyap et al). 1999;29:90-9
Carotid endarterectomy and intracranial thrombolysis: simultaneous and staged procedures in ischemic stroke (Eckstein et al). 1999;29:459-71
Carotid endarterectomy outcome with vein or Dacron graft patch angioplasty and internal carotid artery shortening (Archie). 1999;29:654-64
Carotid restenosis: operative and endovascular management (Hobson et al). 1999;29:228-38
Cerebral tomographic findings in patients undergoing carotid endarterectomy for asymptomatic carotid stenosis: short-term and long-term implications (Cao et al). 1999;29:995-1005
New duplex ultrasound scan criteria for managing symptomatic 50% or greater carotid stenosis (Winkelaar et al). 1999;29:986-94
Outcome of moderate carotid artery stenosis in patients who are asymptomatic (Mansour et al). 1999;29:217-27
Progression of asymptomatic carotid stenosis: a natural history study in 1004 patients (Muluk et al). 1999;29:208-16
Redo carotid surgery: an analysis of materials and configurations used in carotid reoperations and their influence on perioperative stroke and subsequent recurrent stenosis (Rockman et al). 1999;29:72-81
Regarding "Impact of a critical pathway on postoperative length of stay and outcomes after infrainguinal bypass" (LeMaitre). 1999;29:385-6 (Letter)
Regarding "Overestimation of a stenosis in the internal carotid artery by duplex sonography caused by an increase in volume flow" (Legemate). 1999;29:756 (Letter)
Case reports
Case reports. 1999;29:377-81, 554-65, 711-740, 928-38, 1152-63
Celiac artery
Celiomesenteric anomaly with concurrent aneurysm (Matsumoto et al). 1999;29:711-4 (Case rep.)
Cell adhesion
Monocyte adhesion to injured vessels: specific inhibition of fibrinogen/mac-1 interaction by 1-domain peptide (Gangadharan et al). 1999;29:1147 (Special comm.)
Cell death
Plaque rupture: a hypothesis (Schwartz). 1999;29:1134-7 (Special comm.)
Cell division
Modulation of vascular cell growth kinetics by local cytokine delivery from fibrin glue suspensions (Shireman et al). 1999;29:852-62
Cerebral arteries
Carotid endarterectomy and intracranial thrombolysis: simultaneous and staged procedures in ischemic stroke (Eckstein et al). 1999;29:459-71
Cerebral arteriovenous malformations
Popliteal artery occlusion as a late complication of liquid acrylate embolization for cerebral vascular malformations (Rücker et al). 1999;29:561-5 (Case rep.)
Cerebral embolism and thrombosis
Popliteal artery occlusion as a late complication of liquid acrylate embolization for cerebral vascular malformations (Rücker et al). 1999;29:561-5 (Case rep.)
Cerebral hemorrhage
Intracerebral hemorrhage after carotid endarterectomy: incidence, contribution to neurologic morbidity, and predictive factors (Ouriel et al). 1999;29:82-9
Cerebral ischemia
Carotid endarterectomy and intracranial thrombolysis: simultaneous and staged procedures in ischemic stroke (Eckstein et al). 1999;29:459-71
Cerebrovascular disorders
Mastication steal: an unusual precipitant of cerebrovascular insufficiency (Fox et al). 1999;29:734-6 (Case rep.)
Outcome of moderate carotid artery stenosis in patients who are asymptomatic (Mansour et al). 1999;29:217-27

Prospective blinded study of the relationship between plasma homocysteine and progression of symptomatic peripheral arterial disease (Taylor et al). 1999;29:8-21

Clinical pathway. ***see*** **Critical pathway**

Collateral growth

Physical forces and the formation of collateralization in chronic occlusive arterial disease (Ito et al). 1999;29:1113-4 (Special comm.)

Colon

Perioperative predictors of colonic ischemia after ruptured abdominal aortic aneurysm (Levison et al). 1999;29:40-7

Connective tissue

Functional role of connective tissue repair in experimental aortic aneurysms (Huffman et al). 1999;29:1151 (Special comm.)

Contrast arteriography. ***see*** **Angiography**

Coronary artery bypass

Bypass graft of an occluded inferior vena cava: report of a case with patency at five years (Skinner and Ceraldi). 1999;29:727-9 (Case rep.)

Inos expression in human vein grafts (Makhoul). 1999;29:1131-3 (Special comm.)

Isolated femoropopliteal bypass graft for limb salvage after failed tibial reconstruction: a viable alternative to amputation (Samson et al). 1999;29:409-12

Laparoscopic aortofemoral bypass grafting: human cadaveric and initial clinical experiences (Said et al). 1999;29:639-48

Novel in vitro systems to mimic in vivo physical environments and clinically relevant systems for imaging of the in vivo physical forces (Vorp). 1999;29:1122-4 (Special comm.)

Correspondence. ***see*** **Letters**

Cost-benefit analysis

The cost-effectiveness of endovascular repair versus open surgical repair of abdominal aortic aneurysms: a decision analysis model (Patel et al). 1999;29:958-72

Regarding "Aortoiliac stent deployment versus surgical reconstruction: analysis of outcome and cost" (Wang) (Letter); (Ballard) (Reply). 1999;29:387-8

Credentialing

Endovascular interventions training and credentialing for vascular surgeons (White et al). 1999;29:177-86 (Special comm.)

Critical pathway

Infrarenal aortic surgery with a 3-day hospital stay: a report on success with a clinical pathway (Podore and Throop). 1999;29:787-92

Regarding "Impact of a critical pathway on postoperative length of stay and outcomes after infrainguinal bypass" (LeMaitre). 1999;29:385-6 (Letter)

Cross infection

Hemodialysis access: influence of the human immunodeficiency virus on patency and infection rates (Curi et al). 1999;29:608-16

Crossover axilloaxillary bypass grafting

Long-term results and outcomes of crossover axilloaxillary bypass grafting: a 24-year experience (Mingoli et al). 1999;29:894-901

Cyclic strain

Mechano-signaling pathways in vascular cells exposed to cyclic strain (Sumpio). 1999;29:1117-9 (Special comm.)

Cytomegalovirus infections

Regarding "Detection of active cytomegalovirus infection in inflammatory aortic aneurysms with RNA polymerase chain reaction" (Yonemitsu et al). 1999;29:389-90 (Letter)

D

Decision support techniques

The cost-effectiveness of endovascular repair versus open surgical repair of abdominal aortic aneurysms: a decision analysis model (Patel et al). 1999;29:958-72

Should endovascular surgery lower the threshold for repair of abdominal aortic aneurysms? (Finlayson et al). 1999;29:973-85

Deep vein thrombosis. ***see*** **Thrombophlebitis**

Device approval

The US Food and Drug Administration investigational device exemptions (IDE) and clinical investigation of cardiovascular devices: information for the investigator (Pritchard et al). 1999;29:566-74

Diabetes mellitus

Diabetes mellitus is the major risk factor for African Americans who undergo peripheral bypass graft operation (Brothers et al). 1999;29:352-9

Dialysis

Right atrial bypass grafting for central venous obstruction associated with dialysis access: another treatment option (El-Sabrout et al). 1999;29:472-8

Diaphragm

The impact of diaphragm management on prolonged ventilator support after thoracoabdominal aortic repair (Engle et al). 1999;29:150-6

Disease progression

Outcome of moderate carotid artery stenosis in patients who are asymptomatic (Mansour et al). 1999;29:217-27

Progression of asymptomatic carotid stenosis: a natural history study in 1004 patients (Muluk et al). 1999;29:208-16

Prospective blinded study of the relationship between plasma homocysteine and progression of symptomatic peripheral arterial disease (Taylor et al). 1999;29:8-21

Dissecting aneurysm. ***see*** **Aneurysm, dissecting**

Dissection

Spontaneous popliteal artery dissection: a case report and review of the literature (Rabkin et al). 1999;29:737-40 (Case rep.)

Dogs

Bacterial resistance of refrigerated and cryopreserved aortic allografts in an experimental virulent infection model (Litzler et al). 1999;29:1090-6

The proliferative response to platelet-derived growth factor of smooth muscle cells isolated from synthetic vascular grafts in a canine model (Minion et al). 1999;29:845-51

Duplex scanning. ***see*** **Ultrasonography, Doppler, duplex**

E

Education, medical

The importance of surgeon volume and training in outcomes for vascular surgical procedures (Pearce et al). 1999;29:768-78

Elderly. ***see*** **Aged**

Electrical stimulation therapy

Immunohistochemical analysis of arterial wall cellular infiltration in Buerger's disease (endarteritis obliterans) (Kobayashi et al). 1999;29:451-8

Embolism

Detection of distal emboli in patients with peripheral arterial stenosis before and after iliac angioplasty: a prospective study (Al-Hamali et al). 1999;29:345-51

Endarterectomy

Chronic renal artery occlusion: nephrectomy versus revascularization (Oskin et al). 1999;29:140-9

Elective surgical treatment of symptomatic chronic mesenteric occlusive disease: early results and late outcomes (Mateo et al). 1999;29:821-32

Superficial femoral eversion endarterectomy combined with a vein segment as a composite artery-vein bypass graft for infrainguinal arterial reconstruction (Presti et al). 1999; 29:413-21

Endarterectomy, carotid

Assessment of ocular perfusion after carotid endarterectomy with color-flow duplex scanning (Cohn et al). 1999;29: 665-71

Carotid artery repair for radiation-associated atherosclerosis is a safe and durable procedure (Kashyap et al). 1999;29: 90-9

Carotid endarterectomy and intracranial thrombolysis: simultaneous and staged procedures in ischemic stroke (Eckstein et al). 1999;29:459-71

Carotid endarterectomy in patients with significant renal dysfunction (Sternbergh et al). 1999;29:672-7

Carotid endarterectomy outcome with vein or Dacron graft patch angioplasty and internal carotid artery shortening (Archie). 1999;29:654-64

Cerebral tomographic findings in patients undergoing carotid endarterectomy for asymptomatic carotid stenosis: short-term and long-term implications (Cao et al). 1999;29:995-1005

The importance of surgeon volume and training in outcomes for vascular surgical procedures (Pearce et al). 1999;29:768-78

Intracerebral hemorrhage after carotid endarterectomy: incidence, contribution to neurologic morbidity, and predictive factors (Ouriel et al). 1999;29:82-9

Redo carotid surgery: an analysis of materials and configurations used in carotid reoperations and their influence on perioperative stroke and subsequent recurrent stenosis (Rockman et al). 1999;29:72-81

Regarding "A comparison of carotid angioplasty with stenting versus endarterectomy with regional anesthesia" (Gelman and Vandam) (Letter); (Jordan et al) (Reply). 1999;29:757-8

Regarding "Impact of a critical pathway on postoperative length of stay and outcomes after infrainguinal bypass" (LeMaitre). 1999;29:385-6 (Letter)

Renal insufficiency and altered postoperative risk in carotid endarterectomy (Hamdan et al). 1999;29:1006-11

Endarteritis obliterans

see Thromboangiitis obliterans

Endothelium, vascular

Chronic in vitro shear stress stimulates endothelial cell retention on prosthetic (Dardik et al). 1999;29:157-67

Contribution of unique SMC subpopulations to vascular disease (Stenmark et al). 1999;29:1109-11 (Special comm.)

Development origins of vascular smooth muscle diversity (Majesky et al). 1999;29:1111-3 (Special comm.)

Differential responses of endothelial cells to uniform and disturbed laminar shear stress (Nagel et al). 1999;29:1114-6 (Special comm.)

Effects of somatostatin, somatostatin analogs, and endothelial cell somatostatin gene transfer on smooth muscle cell proliferation in vitro (Sarkar et al). 1999;29:685-93

Endothelial heterogeneity in signal transduction of shear stress response (Davies et al). 1999;29:1116-7 (Special comm.)

Expression of tissue factor and tissue factor pathway inhibitor by vascular endothelium: effects of shear stress and endothelial cell origin (Grabowski). 1999;29:1144-6 (Special comm.)

Flow and TGF-β signaling in vascular endothelium (Topper). 1999;29:1146-7 (Special comm.)

Fluid dynamics in vascular pathology: adaptations of the arterial wall to chronic changes in blood flow (Langille). 1999;29:1106-8 (Special comm.)

Fluid stress and mechanical stretch regulation of protease activated receptor-1 expression on human smooth muscle cells and endothelial cells (McIntire et al). 1999;29:1142-4 (Special comm.)

Genetic engineering of stent grafts with a highly efficient pseudotyped retroviral vector (Eton et al). 1999;29:863-73

Hemodynamic factors and anastomotic intimal hyperplasia (Giddens). 1999;29;1137-8 (Special comm.)

Inos overexpression and inhibition of vascular smooth muscle cell proliferation (Kibbe et al). 1999;29:1133-4 (Special comm.)

Propionyl-L-carnitine dilates human subcutaneous arteries through an endothelium-dependent mechanism (Cipolla et al). 1999;29:1097-103

Regulation of intimal growth and regression by blood flow (Clowes et al). 1999;29:1108-9 (Special comm.)

Responses of endothelial cells to sustained hydrostatic pressure (Gerritsen et al). 1999;29:1124-5 (Special comm.)

Roles of integrins and receptor tyrosine kinase in mechanochemical transduction in endothelial cells (Chien et al). 1999; 29:1120-2 (Special comm.)

Shear stress regulation of arterial adpations (Singh et al). 1999;29:1130-1 (Special comm.)

Shear stress regulation of monocyte/endothelial interactions (Sprague et al). 1999;29:1138-40 (Special comm.)

Vascular endothelial growth factor inhibits apoptosis in vascular smooth muscle cells exposed to ultraviolet B irradiation (Costanza et al). 1999;29:1149 (Special comm.)

Vascular endothelium: an integrator of humoral and biomechanical stimuli in the cardiovascular system (Gimbrone et al). 1999;29:1104-6 (Special comm.)

Evoked potentials, motor

Strategies to prevent neurologic deficit based on motor-evoked potentials in type I and II thoracoabdominal aortic aneurysm repair (Jacobs et al). 1999;29:48-59

Exercise

Effect of exercise on hemodynamic conditions in the abdominal aorta (Taylor et al). 1999;29:1077-89

Extremity, lower. *see* Leg

F

Fellowships and scholarships

The vascular fellowship: a critical review (Baker). 1999;29: 201-8

Femoral artery

Can duplex scan arterial mapping replace contrast arteriography as the test of choice before infrainguinal revascularization? (Wain et al). 1999;29:100-9

Descending thoracic aorta to iliofemoral artery bypass grafting: a role for primary revascularization for aortoiliac occlusive disease? (Passman et al). 1999;29:249-58

The diameter of the common femoral artery in healthy humans: influence of sex, age, and body size (Sandgren et al). 1999;29:503-10

Infrarenal aortic surgery with a 3-day hospital stay: a report on success with a clinical pathway (Podore and Throop). 1999;29:787-92

Isolated femoropopliteal bypass graft for limb salvage after failed tibial reconstruction: a viable alternative to amputation (Samson et al). 1999;29:409-12

Laparoscopic aortofemoral bypass grafting: human cadaveric and initial clinical experiences (Said et al). 1999;29:639-48
Plaque area increase and vascular remodeling contribute to lumen area change after percutaneous transluminal angioplasty of the femoropopliteal artery: an intravascular ultrasound study (van Lankeren et al). 1999;29:430-41
Posterior approach to the deep femoral artery (Bertucci et al). 1999;29:741-4 (Tech. notes)
Regarding "Infrainguinal aneurysm formation in arterialized autologous saphenous vein grafts" (Dardik) (Letter); (Cassina et al) (Reply). 1999;29:756-7
Superficial femoral eversion endarterectomy combined with a vein segment as a composite artery-vein bypass graft for infrainguinal arterial reconstruction (Presti et al). 1999; 29:413-21

Femoral vein
Venous morbidity after superficial femoralpopliteal vein harvest (Wells et al). 1999;29:282-91

Fibrin glue
Mitogenicity of VEGF _ heparin in fibrin glue (FG) (Shireman and Greisler). 1999;29:1149-50 (Special comm.)
Modulation of vascular cell growth kinetics by local cytokine delivery from fibrin glue suspensions (Shireman et al). 1999;29:852-62

Fibrinogen
Monocyte adhesion to injured vessels: specific inhibition of fibrinogen/mac-1 interaction by 1-domain peptide (Gangadharan et al). 1999;29:1147 (Special comm.)

Fibroblast growth factor
Endothelial nitric oxide synthase (eNOS) is not required for basic fibroblast growth factor (bFGF) induced angiogenesis in vivo (Lee et al). 1999;29:1148 (Special comm.)
Modulation of vascular cell growth kinetics by local cytokine delivery from fibrin glue suspensions (Shireman et al). 1999;29:852-62

Fibroblasts
Hyaluronan is induced by arterial injury and promotes collagen gel contraction by smooth muscle cells (SMC) and adventitial fibroblasts: potential role in post-angioplasty remodeling and restenosis (Hughes et al). 1999;29:1150 (Special comm.)

FK506. ***see*** **Tacrolimus**

Focal adhesion kinase
Thrombospondin-1 induces activation of focal adhesion kinase in vascular smooth muscle cells (Gahtan et al). 1999;29:1031-6

Forecasting
Looking back to the future (Turnipseed). 1999;29:763-7
Pararenal aortic aneurysms: the future of open aortic aneurysm repair (Jean-Claude et al). 1999;29:902-12

Free tissue transfer
Combined arterial reconstruction and free tissue transfer for limb salvage (McCarthy et al). 1999;29:814-20

G

Gene expression
Alterations in gene expression at graft to artery anastomoses: a role for the proteasome in vascular biology (Hamdan et al). 1999;29:1140-2 (Special comm.)
Inos overexpression and inhibition of vascular smooth muscle cell proliferation (Kibbe et al). 1999;29:1133-4 (Special comm.)
Vascular endothelium: an integrator of humoral and biomechanical stimuli in the cardiovascular system (Gimbrone et al). 1999;29:1104-6 (Special comm.)

Genes, p53
p53 gene transfer to the injured rat carotid artery decreases neointimal formation (Scheinman et al). 1999;29:360-9

Gene therapy
Adventitial delivery minimizes the proinflammatory effects of adenoviral vectors (Schneider et al). 1999;29:543-50
Inos overexpression and inhibition of vascular smooth muscle cell proliferation (Kibbe et al). 1999;29:1133-4 (Special comm.)

Genetic vectors
Adventitial delivery minimizes the proinflammatory effects of adenoviral vectors (Schneider et al). 1999;29:543-50
Genetic engineering of stent grafts with a highly efficient pseudotyped retroviral vector (Eton et al). 1999;29:863-73

Gene transfer
Adenoviral-mediated gene transfer of a constitutively active form of the retinoblastoma gene product attenuates neointimal thickening in experimental vein grafts (Schwartz et al). 1999;29:874-83
Genetic engineering of stent grafts with a highly efficient pseudotyped retroviral vector (Eton et al). 1999;29:863-73
p53 gene transfer to the injured rat carotid artery decreases neointimal formation (Scheinman et al). 1999;29:360-9
Roles of integrins and receptor tyrosine kinase in mechanochemical transduction in endothelial cells (Chien et al). 1999; 29:1120-2 (Special comm.)

Graft occlusion, vascular
Access to occluded infrainguinal bypass grafts with a loopsnare (Nosher et al). 1999;29:745-7 (Tech. notes)
Improved graft patency and altered remodeling in infrainguinal vein graft reconstruction for aneurysmal versus occlusive disease (Upchurch et al). 1999;29:1022-30
Quality of life after infrainguinal bypass grafting surgery (Tangelder et al). 1999;29:913-9
Surgical and endovascular intervention for infrainguinal vein graft stenosis (Avino et al). 1999;29:60-71

Growth factors
The proliferative response to platelet-derived growth factor of smooth muscle cells isolated from synthetic vascular grafts in a canine model (Minion et al). 1999;29:845-51

Growth substances
Flow and TGF-β signaling in vascular endothelium (Topper). 1999;29:1146-7 (Special comm.)
Vascular endothelial growth factor inhibits apoptosis in vascular smooth muscle cells exposed to ultraviolet B irradiation (Costanza et al). 1999;29:1149 (Special comm.)

H

Health surveys
Commentary re: "A national survey of practice patterns in the noninvasive diagnosis of deep venous thrombosis" (Hirsch et al). 1999;29:939-40

Heart-arrest devices
The US Food and Drug Administration investigational device exemptions (IDE) and clinical investigation of cardiovascular devices: information for the investigator
(Pritchard et al). 1999;29:566-74

Heart bypass, right
Right atrial bypass grafting for central venous obstruction associated with dialysis access: another treatment option (El-Sabrout and Duncan). 1999;29:472-8

Heat-shock proteins
Endothelial-dependent vasodilation is associated with increases in the phosphorylation of a small heat shock protein (HSP20) (Jerius et al). 1999;29:678-84

Heat shock proteins: a review of the molecular chaperones (Whitley et al). 1999;29:748-51
The small heat shock-related protein-20 is an actin-associated protein (Brophy et al). 1999;29:326-33

Hemodialysis
Hemodialysis access: influence of the human immunodeficiency virus on patency and infection rates (Curi et al). 1999; 29:608-16

Hemorrhage
Use of high-intensity focused ultrasound to control bleeding (Vaezy et al). 1999;29:533-42

Heparin
Mitogenicity of VEGF _ heparin in fibrin glue (FG) (Shireman and Greisler). 1999;29:1149-50 (Special comm.)
Modulation of vascular cell growth kinetics by local cytokine delivery from fibrin glue suspensions (Shireman et al). 1999;29:852-62
The role of heparin-associated antiplatelet antibodies in the outcome of arterial reconstruction (Calaitges et al). 1999;29:779-86

History of medicine
The New England society for vascular surgery: 25 years and counting (Cronenwett). 1999;29:949-57
Regarding "Early history of aortic surgery" (Leeds) (Letter); (Thompson) (Reply). 1999;29:575
Regarding "Early history of aortic surgery" (LeMaire) (Letter); (Thompson) (Reply). 1999;29:575-6

HIV
Arterial aneurysms in patients infected with human immunodeficiency virus: a distinct clinicopathology entity? (Nair et al). 1999;29:600-7
Hemodialysis access: influence of the human immunodeficiency virus on patency and infection rates (Curi et al). 1999;29:608-16

Hyaluronan
Hyaluronan is induced by arterial injury and promotes collagen gel contraction by smooth muscle cells (SMC) and adventitial fibroblasts: potential role in post-angioplasty remodeling and restenosis (Hughes et al). 1999;29:1150 (Special comm.)

Hydrostatic pressure
Responses of endothelial cells to sustained hydrostatic pressure (Gerritsen et al). 1999;29:1124-5 (Special comm.)

Hydroxamic acids
Suppression of experimental abdominal aortic aneurysms by systemic treatment with a hydroxamate-based matrix metalloproteinase inhibitor (RS 132908) (Moore et al). 1999;29:522-32

Hyperglycemia
Regarding "Endothelium-dependent vasodilatation is impaired in both microcirculation and macrocirculation during acute hyperglycemia" (Title) (Letter); (Veves) (Reply). 1999;29:942-3

I

Iliac artery
Descending thoracic aorta to iliofemoral artery bypass grafting: a role for primary revascularization for aortoiliac occlusive disease? (Passman et al). 1999;29:249-58
Detection of distal emboli in patients with peripheral arterial stenosis before and after iliac angioplasty: a prospective study (Al-Hamali et al). 1999;29:345-51
Regarding "Aortoiliac stent deployment versus surgical reconstruction: analysis of outcome and cost" (Wang) (Letter); (Ballard) (Reply). 1999;29:387-8
Surgical transluminal iliac angioplasty with selective stenting: long-term results assessed by means of duplex scanning (Becquemin et al). 1999;29:422-9

Iliac vein
Unilateral iliac vein occlusion, caused by bladder enlargement, stimulating deep venous thrombosis (Ducharme et al). 1999;29:724-6 (Case rep.)

Indomethacin
Indomethacin inhibits expansion of experimental aortic aneurysms via inhibition of the cox2 isoform of cyclooxygenase (Miralles et al). 1999;29:884-93

Infection
Bacterial resistance of refrigerated and cryopreserved aortic allografts in an experimental virulent infection model (Litzler et al). 1999;29:1090-6

Infectious disease. *see* Communicable disease

Information
Problems with the dissemination of up-to-date information on the results of endograft repair for abdominal aortic aneurysm (Rutherford). 1999;29:1167-9

In memorium
William J. von Liebig 1923-1999 (Hamilton). 1999;29:1170

Integrins
Roles of integrins and receptor tyrosine kinase in mechanochemical transduction in endothelial cells (Chien et al). 1999; 29:1120-2 (Special comm.)

Interferon type II
Interferon gamma up-regulates a novel protein in vascular smooth muscle cells (Rzucidlo et al). 1999;29:317-25

Intermittent claudication
Infrainguinal arterial reconstruction for claudication: is it worth the risk? an analysis of 409 procedures (Byrne et al). 1999;29:259-69

Intimal hyperplasia. *see* Tunica intima

Intraocular pressure
Assessment of ocular perfusion after carotid endarterectomy with color-flow duplex scanning (Cohn et al). 1999;29: 665-71

Invited comments
The United Kingdom Small Aneurysm Trial: implications for surgical treatment of abdominal aortic aneurysms (Cronenwett and Johnston). 1999;29:191-4

Ischemia
Arterial remodeling in the rabbit: structural changes in response to chronic hindlimb ischemia (Halloran et al). 1999;29:1148-9 (Special comm.)
Attenuation of skeletal muscle ischemia/reperfusion injury by inhibition of tumor necrosis factor (Gaines et al). 1999;29:370-6
Immunohistochemical analysis of arterial wall cellular infiltration in Buerger's disease (endarteritis obliterans) (Kobayashi et al). 1999;29:451-8
Implantable spinal cord stimulator to treat the ischemic manifestations of thromboangiitis obliterans (Buerger's disease) (Swigris et al). 1999;29:928-35 (Case rep.)
Perioperative predictors of colonic ischemia after ruptured abdominal aortic aneurysm (Levison et al). 1999;29:40-7

K

Kidney diseases
Carotid endarterectomy in patients with significant renal dysfunction (Sternbergh et al). 1999;29:672-7
Renal insufficiency and altered postoperative risk in carotid endarterectomy (Hamdan et al). 1999;29:1006-11

L

Laparoscopy
Laparoscopic aortofemoral bypass grafting: human cadaveric and initial clinical experiences (Said et al). 1999;29:639-48
Leadership
Presidential address: legend, leadership, legacy (Abbott). 1999;29:1-7
Leg
Combined arterial reconstruction and free tissue transfer for limb salvage (McCarthy et al). 1999;29:814-20
Duplex scanning alone is not sufficient imaging before secondary procedures after lower extremity reversed vein bypass graft (Landry et al). 1999;29:270-81
The importance of surgeon volume and training in outcomes for vascular surgical procedures (Pearce et al). 1999;29:768-78
Infrainguinal arterial reconstruction for claudication: is it worth the risk? an analysis of 409 procedures (Byrne et al). 1999;29:259-69
Long-term functional status and quality of life after lower extremity revascularization (Holtzman et al). 1999;29:395-402
Lower limb deep venous flow in patients with peripheral vascular disease (Libertiny and Hands). 1999;29:1065-70
Regarding "Impact of a critical pathway on postoperative length of stay and outcomes after infrainguinal bypass" (LeMaitre). 1999;29:385-6 (Letter)
Surgical and endovascular intervention for infrainguinal vein graft stenosis (Avino et al). 1999;29:60-71
Ultrasonic plaque character and outcome after lower limb angioplasty (Ramaswami et al). 1999;29:110-21
Vascular reconstruction utilizing artery from an amputated extremity: a case report (Thomas et al). 1999;29:1159-61 (Case rep.)
Video-assisted crossover iliofemoral obturator bypass grafting: a minimally invasive approach to extra-anatomic lower limb revascularization (Geier et al). 1999;29:730-3 (Case rep.)
Women have increased risk of perioperative myocardial infarction and higher long-term mortality rates after lower extremity arterial bypass grafting (Mays et al). 1999;29:807-13
Leg ulcer
Chronic leg ulcers: the impact of venous disease (Bergqvist et al). 1999;29:752-5 (comment)
Length of stay
Infrarenal aortic surgery with a 3-day hospital stay: a report on success with a clinical pathway (Podore and Throop). 1999;29:787-92
Regarding "Impact of a critical pathway on postoperative length of stay and outcomes after infrainguinal bypass" (LeMaitre). 1999;29:385-6 (Letter)
Letters
Letters. 1999;29:385-90, 575-6, 756-8, 941-3
Lidocaine
Evaluation of lidocaine as an analgesic when added to hypertonic saline for sclerotherapy (Bukhari et al). 1999;29:479-83
Listeria monocytogenes
Endovascular stent graft repair of aortopulmonary fistula (Miyata et al). 1999;29:557-60 (Case rep.)
Lower extremity. ***see*** **Leg**

M

Magnetic resonance angiography
Accurate assessment of abdominal aortic aneurysm with intravascular ultrasound scanning: validation with computed tomographic angiography (van Essen et al). 1999;29:631-8
Surgical renal artery reconstruction without contrast arteriography: the role of clinical profiling and magnetic resonance angiography (Cambria et al). 1999;29:1012-21
Magnetic resonance imaging
Noninvasive clinical techniques for flow velocity mapping and wall motion quantification (Maier). 1999;29:1125-7 (Special comm.)
Mannitol
The effect of mannitol versus dimethyl thiourea at attenuating ischemia/reperfusion-induced injury to the skeletal muscle (Schlag et al). 1999;29:511-21
Mastication
Mastication steal: an unusual precipitant of cerebrovascular insufficiency (Fox et al). 1999;29:734-6 (Case rep.)
Medical devices. ***see*** **Equipment and supplies**
Mesenteric artery, superior
Celiomesenteric anomaly with concurrent aneurysm (Matsumoto et al). 1999;29:711-4 (Case rep.)
Mesenteric vascular occlusion
Elective surgical treatment of symptomatic chronic mesenteric occlusive disease: early results and late outcomes (Mateo et al). 1999;29:821-32
Metalloproteinases
Increased plasma levels of metalloproteinase-9 are associated with abdominal aortic aneurysms (Macmillan and Pearce). 1999;29:122-9
The matrix metalloproteinase inhibitor BB-94 limits expansion of experimental abdominal aortic aneurysms (Bigatel et al). 1999;29:130-9
Suppression of experimental abdominal aortic aneurysms by systemic treatment with a hydroxamate-based matrix metalloproteinase inhibitor (RS 132908) (Moore et al). 1999;29:522-32
Monitoring, intraoperative
Strategies to prevent neurologic deficit based on motor-evoked potentials in type I and II thoracoabdominal aortic aneurysm repair (Jacobs et al). 1999;29:48-59
Monocytes
Monocyte adhesion to injured vessels: specific inhibition of fibrinogen/mac-1 interaction by 1-domain peptide (Gangadharan et al). 1999;29:1147 (Special comm.)
Shear stress regulation of monocyte/endothelial interactions (Sprague et al). 1999;29:1138-40 (Special comm.)
Mortality
Women have increased risk of perioperative myocardial infarction and higher long-term mortality rates after lower extremity arterial bypass grafting (Mays et al). 1999;29:807-13
Muscle, skeletal
Attenuation of skeletal muscle ischemia/reperfusion injury by inhibition of tumor necrosis factor (Gaines et al). 1999;29:370-6
The effect of mannitol versus dimethyl thiourea at attenuating ischemia/reperfusion-induced injury to the skeletal muscle (Schlag et al). 1999;29:511-21
Muscle, smooth, vascular
Contribution of unique SMC subpopulations to vascular disease (Stenmark et al). 1999;29:1109-11 (Special comm.)

Development origins of vascular smooth muscle diversity (Majesky et al). 1999;29:1111-3 (Special comm.)
Effects of somatostatin, somatostatin analogs, and endothelial cell somatostatin gene transfer on smooth muscle cell proliferation in vitro (Sarkar et al). 1999;29:685-93
Fluid stress and mechanical stretch regulation of protease activated receptor-1 expression on human smooth muscle cells and endothelial cells (McIntire et al). 1999;29:1142-4 (Special comm.)
Genetic engineering of stent grafts with a highly efficient pseudotyped retroviral vector (Eton et al). 1999;29:863-73
Hyaluronan is induced by arterial injury and promotes collagen gel contraction by smooth muscle cells (SMC) and adventitial fibroblasts: potential role in post-angioplasty remodeling and restenosis (Hughes et al). 1999;29:1150 (Special comm.)
Inos overexpression and inhibition of vascular smooth muscle cell proliferation (Kibbe et al). 1999;29:1133-4 (Special comm.)
Interferon gamma up-regulates a novel protein in vascular smooth muscle cells (Rzucidlo et al). 1999;29:317-25
Physiologic effects of stress on vascular smooth muscle (Knoepp et al). 1999;29:1150-1 (Special comm.)
The proliferative response to platelet-derived growth factor of smooth muscle cells isolated from synthetic vascular grafts in a canine model (Minion et al). 1999;29:845-51
Propionyl-L-carnitine dilates human subcutaneous arteries through an endothelium-dependent mechanism (Cipolla et al). 1999;29:1097-103
Role of serum response factor (SRF) in SMC differentiation (Majesky and Lu). 1999;29:1113 (Special comm.)
Thrombospondin-1 induces activation of focal adhesion kinase in vascular smooth muscle cells (Gahtan et al). 1999;29:1031-6
Vascular endothelial growth factor inhibits apoptosis in vascular smooth muscle cells exposed to ultraviolet B irradiation (Costanza et al). 1999;29:1149 (Special comm.)

Mycobacterium bovis
Mycotic vascular infections of large arteries with Mycobacterium bovis after intravesical bacillus Calmette-Guérin therapy (Seelig et al). 1999;29:377-81 (Case rep.)

Myocardial infarction
Women have increased risk of perioperative myocardial infarction and higher long-term mortality rates after lower extremity arterial bypass grafting (Mays et al). 1999;29:807-13

N

Necropsy. ***see*** **Autopsy**

Nephrectomy
Chronic renal artery occlusion: nephrectomy versus revascularization (Oskin et al). 1999;29:140-9

New England Society for Vascular Surgery
The New England society for vascular surgery: 25 years and counting (Cronenwett). 1999;29:949-57

Nitric oxide
Endothelial nitric oxide synthase (eNOS) is not required for basic fibroblast growth factor (bFGF) induced angiogenesis in vivo (Lee et al). 1999;29:1148 (Special comm.)
Flow-dependent protein kinases: role in no formation (Berk). 1999;29:1119-20 (Special comm.)
Inos expression in human vein grafts (Makhoul). 1999;29:1131-3 (Special comm.)
Inos overexpression and inhibition of vascular smooth muscle cell proliferation (Kibbe et al). 1999;29:1133-4 (Special comm.)

North American Symptomatic Carotid Endarterectomy Trial
New duplex ultrasound scan criteria for managing symptomatic 50% or greater carotid stenosis (Winkelaar et al). 1999;29:986-94

P

Pacemaker, artificial
The US Food and Drug Administration investigational device exemptions (IDE) and clinical investigation of cardiovascular devices: information for the investigator (Pritchard et al). 1999;29:566-74

Pancreatopeptidase
"Variable induction of experimental abdominal aortic aneurysms with different preparations of porcine pancreatic elastase" (Curci and Thompson). 1999;29:385 (Letter)

Pathway. ***see*** **Critical pathway**

Pelvis
Relief of obstructive pelvic venous symptoms with endoluminal stenting (Blätter and Blätter). 1999;29:484-8

Perioperative care
Timing and frequency of perioperative carotid color-flow duplex scanning: a preliminary report (Mansour et al). 1999;29:833-7

Perioperative complications
Women have increased risk of perioperative myocardial infarction and higher long-term mortality rates after lower extremity arterial bypass grafting (Mays et al). 1999;29:807-13

Peripheral vascular diseases
Endovascular interventions training and credentialing for vascular surgeons (White et al). 1999;29:177-86 (Special comm.)
Lower limb deep venous flow in patients with peripheral vascular disease (Libertiny and Hands). 1999;29:1065-70
Prospective blinded study of the relationship between plasma homocysteine and progression of symptomatic peripheral arterial disease (Taylor et al). 1999;29:8-21
Ultrasonic plaque character and outcome after lower limb angioplasty (Ramaswami et al). 1999;29:110-21

Phlebectomy
Regarding "Saphenous surgery does not correct perforator incompetence in the presence of deep venous reflux" (Lucertini et al) (Letter); (Stuart and Bradbury) (Reply) 1999;29:941-2

Phosphorylation
Endothelial-dependent vasodilation is associated with increases in the phosphorylation of a small heat shock protein (HSP20) (Jerius et al). 1999;29:678-84

Physician's practice patterns
Commentary re: "A national survey of practice patterns in the noninvasive diagnosis of deep venous thrombosis" (Hirsch et al). 1999;29:939-40
A national survey of practice patterns in the noninvasive diagnosis of deep venous thrombosis (Blebea et al). 1999;29:799-806

Plaque
Developments in imaging techniques plaque localization and vessel biomechanics (Cornhill). 1999;29:1127-30 (Special comm.)
Plaque rupture: a hypothesis (Schwartz). 1999;29:1134-7 (Special comm.)

Plethysmography
The postthrombotic syndrome in relation to venous hemodynamics, as measured by means of duplex scanning and strain-gauge plethysmography (Haenen et al). 1999;29:1071-6
Pneumatic compression. ***see*** **Bandages**
Polyethylene terephthalates
Carotid endarterectomy outcome with vein or Dacron graft patch angioplasty and internal carotid artery shortening (Archie). 1999;29:654-64
Polymerase chain reaction
Regarding "Detection of active cytomegalovirus infection in inflammatory aortic aneurysms with RNA polymerase chain reaction" (Yonemitsu et al). 1999;29:389-90 (Letter)
Polyurethanes
Polyurethane vascular prostheses decreases neointimal formation compared with expanded polytetrafluorethylene (Jeschke et al). 1999;29:168-76
Popliteal artery
Isolated femoropopliteal bypass graft for limb salvage after failed tibial reconstruction: a viable alternative to amputation (Samson et al). 1999;29:409-12
Plaque area increase and vascular remodeling contribute to lumen area change after percutaneous transluminal angioplasty of the femoropopliteal artery: an intravascular ultrasound study (van Lankeren et al). 1999;29:430-41
Popliteal artery occlusion as a late complication of liquid acrylate embolization for cerebral vascular malformations (Rücker et al). 1999;29:561-5 (Case rep.)
Spontaneous popliteal artery dissection: a case report and review of the literature (Rabkin et al). 1999;29:737-40 (Case rep.)
Popliteal vein
Venous morbidity after superficial femoralpopliteal vein harvest (Wells et al). 1999;29:282-91
Postmortem changes
Variation of infrarenal aortic diameter: a necropsy study (da Silva et al). 1999;29:920-7
Postoperative complications
Adverse events after endoluminal repair of abdominal aortic aneurysms: a comparison during two successive periods of time (May et al). 1999;29:32-9
Intracerebral hemorrhage after carotid endarterectomy: incidence, contribution to neurologic morbidity, and predictive factors (Ouriel et al). 1999;29:82-9
Renal insufficiency and altered postoperative risk in carotid endarterectomy (Hamdan et al). 1999;29:1006-11
The value of late computed tomographic scanning in identification of vascular abnormalities after abdominal aortic aneurysm repair (Kalman et al). 1999;29:442-50
Venous morbidity after superficial femoralpopliteal vein harvest (Wells et al). 1999;29:282-91
Postthrombotic syndrome
Axillary vein transfer in trabeculated postthrombotic veins (Raju et al). 1999;29:1050-64
The postthrombotic syndrome in relation to venous hemodynamics, as measured by means of duplex scanning and strain-gauge plethysmography (Haenen et al). 1999;29:1071-6
Practice patterns. ***see*** **Physician's practice patterns**
Pressure
Endovascular repair of a descending thoracic aortic aneurysm: a tip for systemic pressure reduction (Hata et al). 1999;29:551-3
High pressure, rapid-inflation pneumatic compression improves venous hemodynamics in healthy volunteers and patients who are post-thrombotic (Malone et al). 1999;29:593-9
Prevalence
Prevalence of true vein graft aneurysms: implications for aneurysm pathogenesis (Loftus et al). 1999;29:403-8
Propionyl-L-carnitine
Propionyl-L-carnitine dilates human subcutaneous arteries through an endothelium-dependent mechanism (Cipolla et al). 1999;29:1097-103
Prospective studies
AneuRx stent graft versus open surgical repair of abdominal aortic aneurysms: multicenter prospective clinical trial (Zarins et al). 1999;29:292-308
Prostaglandin-endoperoxide synthase
Indomethacin inhibits expansion of experimental aortic aneurysms via inhibition of the cox2 isoform of cyclooxygenase (Miralles et al). 1999;29:884-93
Protease activated receptor-1
Fluid stress and mechanical stretch regulation of protease activated receptor-1 expression on human smooth muscle cells and endothelial cells (McIntire et al). 1999;29:1142-4 (Special comm.)
Protease inhibitors
The matrix metalloproteinase inhibitor BB-94 limits expansion of experimental abdominal aortic aneurysms (Bigatel et al). 1999;29:130-9
Proteasome
Alterations in gene expression at graft to artery anastomoses: a role for the proteasome in vascular biology (Hamdan et al). 1999;29:1140-2 (Special comm.)
Protein kinases
Alterations in wall tension and shear stress modulate tyrosine kinase signaling and wall remodeling in experimental vein grafts (Huynh et al). 1999;29:334-44
Flow-dependent protein kinases: role in no formation (Berk). 1999;29:1119-20 (Special comm.)
Roles of integrins and receptor tyrosine kinase in mechanochemical transduction in endothelial cells (Chien et al). 1999;29:1120-2 (Special comm.)

Q

Quality of life
Long-term functional status and quality of life after lower extremity revascularization (Holtzman et al). 1999;29:395-402
Quality of life after infrainguinal bypass grafting surgery (Tangelder et al). 1999;29:913-9
Should endovascular surgery lower the threshold for repair of abdominal aortic aneurysms? (Finlayson et al). 1999;29:973-85
Questionnaires
Commentary re: "A national survey of practice patterns in the noninvasive diagnosis of deep venous thrombosis" (Hirsch et al). 1999;29:939-40

R

Rabbits
Arterial remodeling in the rabbit: structural changes in response to chronic hindlimb ischemia (Halloran et al). 1999;29:1148-9 (Special comm.)
Radiation injuries
Carotid artery repair for radiation-associated atherosclerosis is a safe and durable procedure (Kashyap et al). 1999;29:90-9

Rats
Immunosuppression with FK506 in rat arterial allografts: fate of allogeneic endothelial cells (Azuma et al). 1999;29:694-702
p53 gene transfer to the injured rat carotid artery decreases neointimal formation (Scheinman et al). 1999;29:360-9
Recurrence
Redo carotid surgery: an analysis of materials and configurations used in carotid reoperations and their influence on perioperative stroke and subsequent recurrent stenosis (Rockman et al). 1999;29:72-81
Stripping the long saphenous vein reduces the rate of reoperation for recurrent varicose veins: five-year results of a randomized trial (Dwerryhouse et al). 1999;29:589-92
Renal artery
Late rupture of a saphenous vein aortorenal graft (Lavigne et al). 1999;29:722-3 (Case rep.)
Surgical renal artery reconstruction without contrast arteriography: the role of clinical profiling and magnetic resonance angiography (Cambria et al). 1999;29:1012-21
Renal artery obstruction
Chronic renal artery occlusion: nephrectomy versus revascularization (Oskin et al). 1999;29:140-9
Renal artery stenosis treated with stent deployment: indications, technique, and outcome for 108 patients (Rodriguez-Lopez et al). 1999;29:617-24
Renal disease
Long-term outcome of surgical revascularization in ischemic nephropathy: normalization of average decline in renal function (van Rooden et al). 1999;29:1037-49
Reoperations
Carotid restenosis: operative and endovascular management (Hobson et al). 1999;29:228-38
Redo carotid surgery: an analysis of materials and configurations used in carotid reoperations and their influence on perioperative stroke and subsequent recurrent stenosis (Rockman et al). 1999;29:72-81
Stripping the long saphenous vein reduces the rate of reoperation for recurrent varicose veins: five-year results of a randomized trial (Dwerryhouse et al). 1999;29:589-92
Reperfusion injury
Attenuation of skeletal muscle ischemia/reperfusion injury by inhibition of tumor necrosis factor (Gaines et al). 1999;29:370-6
The effect of mannitol versus dimethyl thiourea at attenuating ischemia/reperfusion-induced injury to the skeletal muscle (Schlag et al). 1999;29:511-21
Respiration, artificial
The impact of diaphragm management on prolonged ventilator support after thoracoabdominal aortic repair (Engle et al). 1999;29:150-6
Retinoblastoma protein
Adenoviral-mediated gene transfer of a constitutively active form of the retinoblastoma gene product attenuates neointimal thickening in experimental vein grafts (Schwartz et al). 1999;29:874-83
Retroviridae
Genetic engineering of stent grafts with a highly efficient pseudotyped retroviral vector (Eton et al). 1999;29:863-73
Review
Spontaneous popliteal artery dissection: a case report and review of the literature (Rabkin et al). 1999;29:737-40 (Case rep.)
Risk factors
Diabetes mellitus is the major risk factor for African Americans who undergo peripheral bypass graft operation (Brothers et al). 1999;29:352-9
RNA, viral
Regarding "Detection of active cytomegalovirus infection in inflammatory aortic aneurysms with RNA polymerase chain reaction" (Yonemitsu et al). 1999;29:389-90 (Letter)
Rupture
Late rupture of a saphenous vein aortorenal graft (Lavigne et al). 1999;29:722-3 (Case rep.)
Plaque rupture: a hypothesis (Schwartz). 1999;29:1134-7 (Special comm.)

S

Saline solution, hypertonic
Evaluation of lidocaine as an analgesic when added to hypertonic saline for sclerotherapy (Bukhari et al). 1999;29:479-83
Saphenous vein
Genetic engineering of stent grafts with a highly efficient pseudotyped retroviral vector (Eton et al). 1999;29:863-73
Prevalence of true vein graft aneurysms: implications for aneurysm pathogenesis (Loftus et al). 1999;29:403-8
Regarding "Endothelium-dependent vasodilatation is impaired in both microcirculation and macrocirculation during acute hyperglycemia" (Title) (Letter); (Veves) (Reply). 1999;29:942-3
Regarding "Infrainguinal aneurysm formation in arterialized autologous saphenous vein grafts" (Dardik) (Letter); (Cassina et al) (Reply). 1999;29:756-7
Regarding "Saphenous surgery does not correct perforator incompetence in the presence of deep venous reflux" (Lucertini et al) (Letter);. (Stuart and Bradbury) (Reply) 1999;29:941-2
Stripping the long saphenous vein reduces the rate of reoperation for recurrent varicose veins: five-year results of a randomized trial (Dwerryhouse et al). 1999;29:589-92
Sclerotherapy
Evaluation of lidocaine as an analgesic when added to hypertonic saline for sclerotherapy (Bukhari et al). 1999;29:479-83
Sealants. *see* **Tissue adhesives**
Serum response factor
Role of serum response factor (SRF) in SMC differentiation (Majesky and Lu). 1999;29:1113 (Special comm.)
Sex
The diameter of the common femoral artery in healthy humans: influence of sex, age, and body size (Sandgren et al). 1999;29:503-10
Shear stress
Differential responses of endothelial cells to uniform and disturbed laminar shear stress (Nagel et al). 1999;29:1114-6 (Special comm.)
Endothelial heterogeneity in signal transduction of shear stress response (Davies et al). 1999;29:1116-7 (Special comm.)
Expression of tissue factor and tissue factor pathway inhibitor by vascular endothelium: effects of shear stress and endothelial cell origin (Grabowski). 1999;29:1144-6 (Special comm.)
Fluid stress and mechanical stretch regulation of protease activated receptor-1 expression on human smooth muscle cells and endothelial cells (McIntire et al). 1999;29:1142-4 (Special comm.)

Shear stress regulation of arterial adpations (Singh et al). 1999;29:1130-1 (Special comm.)
Shear stress regulation of monocyte/endothelial interactions (Sprague et al). 1999;29:1138-40 (Special comm.)

Signal transduction
Alterations in wall tension and shear stress modulate tyrosine kinase signaling and wall remodeling in experimental vein grafts (Huynh et al). 1999;29:334-44
Endothelial heterogeneity in signal transduction of shear stress response (Davies et al). 1999;29:1116-7 (Special comm.)
Flow and TGF-β signaling in vascular endothelium (Topper). 1999;29:1146-7 (Special comm.)
Mechano-signaling pathways in vascular cells exposed to cyclic strain (Sumpio). 1999;29:1117-9 (Special comm.)

Smoking cessation
Implantable spinal cord stimulator to treat the ischemic manifestations of thromboangiitis obliterans (Buerger's disease) (Swigris et al). 1999;29:928-35 (Case rep.)

Society for Vascular Surgery
The distinguished service award medal of the Society for Vascular Surgery: Richard Warren's legacy to vascular surgery (Villavicencio). 1999;29:382-4

Somatostatin
Effects of somatostatin, somatostatin analogs, and endothelial cell somatostatin gene transfer on smooth muscle cell proliferation in vitro (Sarkar et al). 1999;29:685-93

Special communications
Special communications. 1999;29:177-86, 1104-1151

Spinal cord
Immunohistochemical analysis of arterial wall cellular infiltration in Buerger's disease (endarteritis obliterans) (Kobayashi et al). 1999;29:451-8

Splenic vein
Splenic vein aneurysm: is it a surgical indication? (Torres et al). 1999;29:719-21 (Case rep.)

Stents
AneuRx stent graft versus open surgical repair of abdominal aortic aneurysms: multicenter prospective clinical trial (Zarins et al). 1999;29:292-308
Carotid restenosis: operative and endovascular management (Hobson et al). 1999;29:228-38
Endovascular repair of a descending thoracic aortic aneurysm: a tip for systemic pressure reduction (Hata et al). 1999;29:551-3
Endovascular stent graft repair of aortopulmonary fistula (Miyata et al). 1999;29:557-60 (Case rep.)
Genetic engineering of stent grafts with a highly efficient pseudotyped retroviral vector (Eton et al). 1999;29:863-73
Periprosthetic leak and rupture after endovascular repair of abdominal aortic aneurysm: the significance of device design for long-term results (Krohg-Sørensen et al). 1999;29:1152-8 (Case rep.)
Regarding "A comparison of carotid angioplasty with stenting versus endarterectomy with regional anesthesia" (Gelman and Vandam) (Letter); (Jordan et al) (Reply). 1999;29:757-8
Regarding "Aortoiliac stent deployment versus surgical reconstruction: analysis of outcome and cost" (Wang) (Letter); (Ballard) (Reply). 1999;29:387-8
Regarding "Impact of a critical pathway on postoperative length of stay and outcomes after infrainguinal bypass" (LeMaitre). 1999;29:385-6 (Letter)
Relief of obstructive pelvic venous symptoms with endoluminal stenting (Blätter and Blätter). 1999;29:484-8
Renal artery stenosis treated with stent deployment: indications, technique, and outcome for 108 patients (Rodriguez-Lopez et al). 1999;29:617-24
Surgical transluminal iliac angioplasty with selective stenting: long-term results assessed by means of duplex scanning (Becquemin et al). 1999;29:422-9
Type B aortic dissection and thoracoabdominal aneurysm formation after endoluminal stent repair of abdominal aortic aneurysm (Girardi et al). 1999;29:936-8 (Case rep.)

Stress
Physiologic effects of stress on vascular smooth muscle (Knoepp et al). 1999;29:1150-1 (Special comm.)

Stress, mechanical
Alterations in wall tension and shear stress modulate tyrosine kinase signaling and wall remodeling in experimental vein grafts (Huynh et al). 1999;29:334-44

Stress, shear. ***see*** **Shear stress**

Stroke. ***see*** **Cerebrovascular disorders**

Subclavian artery
Left subclavian artery aneurysm: two cases of rare congenital etiology (Stahl et al). 1999;29:715-8 (Case rep.)
Long-term results and outcomes of crossover axilloaxillary bypass grafting: a 24-year experience (Mingoli et al). 1999;29:894-901
Subclavian artery resection and reconstruction for thoracic inlet cancers (Fadel et al). 1999;29:581-8

Superior mesenteric artery syndrome
Superior mesenteric artery syndrome as a result of enlarged abdominal aortic aneurysm (Komia et al). 1999;29:1162-3 (Case rep.)

Surgical adhesives. ***see*** **Tissue adhesives**

Surgical procedures, endoscopic
Mid-term results of endoscopic perforator vein interruption for chronic venous insufficiency: lessons learned from the North American Subfascial Endoscopic Perforator Surgery registry (Gloviczki et al). 1999;29:489-502

Swine
"Variable induction of experimental abdominal aortic aneurysms with different preparations of porcine pancreatic elastase" (Curci and Thompson). 1999;29:385 (Letter)

Symptomatic chronic mesenteric occlusive disease (SCMOD). ***see*** **Mesenteric vascular occlusion**

T

Tacrolimus
Immunosuppression with FK506 in rat arterial allografts: fate of allogeneic endothelial cells (Azuma et al). 1999;29:694-702

Thiourea
The effect of mannitol versus dimethyl thiourea at attenuating ischemia/reperfusion-induced injury to the skeletal muscle (Schlag et al). 1999;29:511-21

Thoracic abdominal aneurysm. ***see*** **Abdominal aneurysm, thoracic**

Thoracic aorta. ***see*** **Thoracic aorta**

Thoracic neoplasms
Subclavian artery resection and reconstruction for thoracic inlet cancers (Fadel et al). 1999;29:581-8

Thoracic surgery
Regarding "Early history of aortic surgery" (Leeds) (Letter); (Thompson) (Reply). 1999;29:575

Regarding "Early history of aortic surgery" (LeMaire) (Letter); (Thompson) (Reply). 1999;29:575-6

Thromboangiitis obliterans

Immunohistochemical analysis of arterial wall cellular infiltration in Buerger's disease (endarteritis obliterans) (Kobayashi et al). 1999;29:451-8

Implantable spinal cord stimulator to treat the ischemic manifestations of thromboangiitis obliterans (Buerger's disease) (Swigris et al). 1999;29:928-35 (Case rep.)

Thrombophlebitis

Commentary re: "A national survey of practice patterns in the noninvasive diagnosis of deep venous thrombosis" (Hirsch et al). 1999;29:939-40

High pressure, rapid-inflation pneumatic compression improves venous hemodynamics in healthy volunteers and patients who are post-thrombotic (Malone et al). 1999;29:593-9

A national survey of practice patterns in the noninvasive diagnosis of deep venous thrombosis (Blebea et al). 1999;29:799-806

Relief of obstructive pelvic venous symptoms with endoluminal stenting (Blätter and Blätter). 1999;29:484-8

Unilateral iliac vein occlusion, caused by bladder enlargement, stimulating deep venous thrombosis (Ducharme et al). 1999;29:724-6 (Case rep.)

Thrombospondin I

Thrombospondin-1 induces activation of focal adhesion kinase in vascular smooth muscle cells (Gahtan et al). 1999;29:1031-6

Tibia

Isolated femoropopliteal bypass graft for limb salvage after failed tibial reconstruction: a viable alternative to amputation (Samson et al). 1999;29:409-12

Tissue factor

Expression of tissue factor and tissue factor pathway inhibitor by vascular endothelium: effects of shear stress and endothelial cell origin (Grabowski). 1999;29:1144-6 (Special comm.)

Tomography, x-ray computed

Accurate assessment of abdominal aortic aneurysm with intravascular ultrasound scanning: validation with computed tomographic angiography (van Essen et al). 1999;29:631-8

Cerebral tomographic findings in patients undergoing carotid endarterectomy for asymptomatic carotid stenosis: short-term and long-term implications (Cao et al). 1999;29:995-1005

The value of late computed tomographic scanning in identification of vascular abnormalities after abdominal aortic aneurysm repair (Kalman et al). 1999;29:442-50

Trabeculectomy

Axillary vein transfer in trabeculated postthrombotic veins (Raju et al). 1999;29:1050-64

Transplantation, homologous

Bacterial resistance of refrigerated and cryopreserved aortic allografts in an experimental virulent infection model (Litzler et al). 1999;29:1090-6

Immunosuppression with FK506 in rat arterial allografts: fate of allogeneic endothelial cells (Azuma et al). 1999;29:694-702

Treatment outcome

Elective surgical treatment of symptomatic chronic mesenteric occlusive disease: early results and late outcomes (Mateo et al). 1999;29:821-32

The importance of surgeon volume and training in outcomes for vascular surgical procedures (Pearce et al). 1999;29:768-78

Long-term outcome of surgical revascularization in ischemic nephropathy: normalization of average decline in renal function (van Rooden et al). 1999;29:1037-49

Long-term results and outcomes of crossover axilloaxillary bypass grafting: a 24-year experience (Mingoli et al). 1999;29:894-901

Periprosthetic leak and rupture after endovascular repair of abdominal aortic aneurysm: the significance of device design for long-term results (Krohg-Sørensen et al). 1999;29:1152-8 (Case rep.)

Problems with the dissemination of up-to-date information on the results of endograft repair for abdominal aortic aneurysm (Rutherford). 1999;29:1167-9

Regarding "Aortoiliac stent deployment versus surgical reconstruction: analysis of outcome and cost" (Wang) (Letter); (Ballard) (Reply). 1999;29:387-8

Regarding "Impact of a critical pathway on postoperative length of stay and outcomes after infrainguinal bypass" (LeMaitre). 1999;29:385-6 (Letter)

The role of heparin-associated antiplatelet antibodies in the outcome of arterial reconstruction (Calaitges et al). 1999;29:779-86

Tumor necrosis factor

Attenuation of skeletal muscle ischemia/reperfusion injury by inhibition of tumor necrosis factor (Gaines et al). 1999;29:370-6

Tunica intima

Adenoviral-mediated gene transfer of a constitutively active form of the retinoblastoma gene product attenuates neointimal thickening in experimental vein grafts (Schwartz et al). 1999;29:874-83

Alterations in gene expression at graft to artery anastomoses: a role for the proteasome in vascular biology (Hamdan et al). 1999;29:1140-2 (Special comm.)

Hemodynamic factors and anastomotic intimal hyperplasia (Giddens). 1999;29;1137-8 (Special comm.)

p53 gene transfer to the injured rat carotid artery decreases neointimal formation (Scheinman et al). 1999;29:360-9

Polyurethane vascular prostheses decreases neointimal formation compared with expanded polytetrafluorethylene (Jeschke et al). 1999;29:168-76

U

Ultrasonic therapy

Use of high-intensity focused ultrasound to control bleeding (Vaezy et al). 1999;29:533-42

Ultrasonography

Developments in imaging techniques plaque localization and vessel biomechanics (Cornhill). 1999;29:1127-30 (Special comm.)

Ultrasonography, Doppler, color

Assessment of ocular perfusion after carotid endarterectomy with color-flow duplex scanning (Cohn et al). 1999;29:665-71

New duplex ultrasound scan criteria for managing symptomatic 50% or greater carotid stenosis (Winkelaar et al). 1999;29:986-94

Regarding "Overestimation of a stenosis in the internal carotid artery by duplex sonography caused by an increase in volume flow" (Legemate). 1999;29:756 (Letter)

Ultrasonic plaque character and outcome after lower limb angioplasty (Ramaswami et al). 1999;29:110-21

Ultrasonography, Doppler, duplex
Can duplex scan arterial mapping replace contrast arteriography as the test of choice before infrainguinal revascularization? (Wain et al). 1999;29:100-9
Commentary re: "A national survey of practice patterns in the noninvasive diagnosis of deep venous thrombosis" (Hirsch et al). 1999;29:939-40
Duplex scanning alone is not sufficient imaging before secondary procedures after lower extremity reversed vein bypass graft (Landry et al). 1999;29:270-81
The postthrombotic syndrome in relation to venous hemodynamics, as measured by means of duplex scanning and strain-gauge plethysmography (Haenen et al). 1999;29:1071-6
Surgical transluminal iliac angioplasty with selective stenting: long-term results assessed by means of duplex scanning (Becquemin et al). 1999;29:422-9

Ultrasonography, interventional
Accurate assessment of abdominal aortic aneurysm with intravascular ultrasound scanning: validation with computed tomographic angiography (van Essen et al). 1999;29:631-8
Plaque area increase and vascular remodeling contribute to lumen area change after percutaneous transluminal angioplasty of the femoropopliteal artery: an intravascular ultrasound study (van Lankeren et al). 1999;29:430-41

Ultrasonography, venous, duplex
Carotid arterial ultrasound scan imaging: a direct approach to stenosis measurement (Beebe et al). 1999;29:838-44
A national survey of practice patterns in the noninvasive diagnosis of deep venous thrombosis (Blebea et al). 1999;29:799-806
Timing and frequency of perioperative carotid color-flow duplex scanning: a preliminary report (Mansour et al). 1999;29:833-7

Ultrasound. ***see*** **Ultrasonography**

Ultraviolet rays
Vascular endothelial growth factor inhibits apoptosis in vascular smooth muscle cells exposed to ultraviolet B irradiation (Costanza et al). 1999;29:1149 (Special comm.)

United Kingdom Small Aneurysm Trial
The United Kingdom Small Aneurysm Trial: implications for surgical treatment of abdominal aortic aneurysms (Cronenwett and Johnston). 1999;29:191-4

United States Food and Drug Administration
The US Food and Drug Administration investigational device exemptions (IDE) and clinical investigation of cardiovascular devices: information for the investigator (Pritchard et al). 1999;29:566-74

V

Varicose ulcer
Axillary vein transfer in trabeculated postthrombotic veins (Raju et al). 1999;29:1050-64

Varicose veins
Stripping the long saphenous vein reduces the rate of reoperation for recurrent varicose veins: five-year results of a randomized trial (Dwerryhouse et al). 1999;29:589-92

Vascular patency
Bypass graft of an occluded inferior vena cava: report of a case with patency at five years (Skinner and Ceraldi). 1999;29:727-9 (Case rep.)

Vascular surgeons
Endovascular interventions training and credentialing for vascular surgeons (White et al). 1999;29:177-86 (Special comm.)

Vascular surgery
The distinguished service award medal of the Society for Vascular Surgery: Richard Warren's legacy to vascular surgery (Villavicencio). 1999;29:382-4
The New England society for vascular surgery: 25 years and counting (Cronenwett). 1999;29:949-57
The vascular fellowship: a critical review (Baker). 1999;29:201-8

Vasodilation
Endothelial-dependent vasodilation is associated with increases in the phosphorylation of a small heat shock protein (HSP20) (Jerius et al). 1999;29:678-84
Regarding "Endothelium-dependent vasodilatation is impaired in both microcirculation and macrocirculation during acute hyperglycemia" (Title) (Letter); (Veves) (Reply). 1999;29:942-3

Veins
Alterations in wall tension and shear stress modulate tyrosine kinase signaling and wall remodeling in experimental vein grafts (Huynh et al). 1999;29:334-44

Vena cava, inferior
Bypass graft of an occluded inferior vena cava: report of a case with patency at five years (Skinner and Ceraldi). 1999;29:727-9 (Case rep.)

Venous insufficiency
Mid-term results of endoscopic perforator vein interruption for chronic venous insufficiency: lessons learned from the North American Subfascial Endoscopic Perforator Surgery registry (Gloviczki et al). 1999;29:489-502

Venous ulcer. ***see*** **Varicose ulcer**

Video recording
Video-assisted crossover iliofemoral obturator bypass grafting: a minimally invasive approach to extra-anatomic lower limb revascularization (Geier et al). 1999;29:730-3 (Case rep.)

von Liebig, William J.
William J. von Liebig 1923-1999 (Hamilton). 1999;29:1170

W

Warren, Richard
The distinguished service award medal of the Society for Vascular Surgery: Richard Warren's legacy to vascular surgery (Villavicencio). 1999;29:382-4

Women
Women have increased risk of perioperative myocardial infarction and higher long-term mortality rates after lower extremity arterial bypass grafting (Mays et al). 1999;29:807-13